

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires December 31, 1991

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒ DEEPEN ☐

b. TYPE OF WELL

OIL GAS- SINGLE MULTIPLE
WELL ☒ WELL ☐ OTHER ☐ ZONE ☒ ZONE ☐

2. NAME OF OPERATOR

Chevron U.S.A. Production Company, Inc.

3. ADDRESS AND TELEPHONE NO.

11002 E. 17500 S. Vernal, Utah 84078 (801) 781-4300

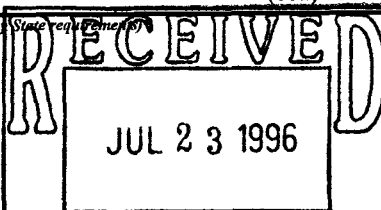
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface

660' FNL & 1980' FEL, NWNE

At proposed prod. Zone

Same



14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

±28 miles south of Vernal, Utah

DIV. OF OIL, GAS & MINING

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.

660'

(Also to nearest drlg. Unit line, if any)

16. NO. OF ACRES IN LEASE

40

17. NO. OF ACRES ASSIGNED
TO THIS WELL

NA

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

NA

19. PROPOSED DEPTH

7200'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4693' GL

22. APPROX. DATE WORK WILL START*

August 1, 1996

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	K-55 8-5/8"	24#	600'	300 SX. CLASS A
7-7/8"	N-80 5-1/2"	17#	7200'	665 SX. HI-FILL STD. LEAD, 720 SX. CLASS H TAIL

Attachments: Certified Plat

8 Point Drilling Plan

13 Point Surface Use Plan

Self-certification Statement

24.

SIGNED

TITLE

ASSET TEAM LEADER

DATE

7-18-96

(This space for Federal or State office use)

PERMIT NO.

43-047-32771

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY

APPROVED BY

J. Matthews

TITLE

Petroleum Engineer

*See Instructions On Reverse Side

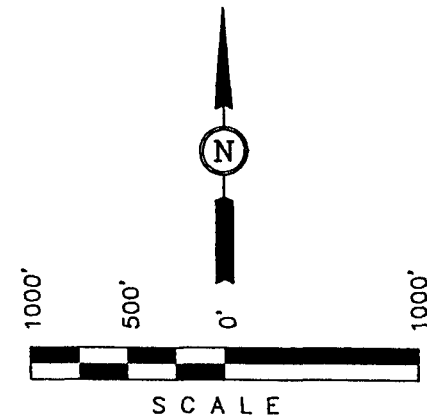
9/4/96

CHEVRON U.S.A., INC.

Well location, BRENNAN FEDERAL UNIT #10,
located as shown in the NW 1/4 NE 1/4
of Section 19, T7S, R21E, S.L.B.&M.
Uintah County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHEAST CORNER OF SECTION
19, T7S, R21E, S.L.B.&M. TAKEN FROM THE BRENNAN
BASIN, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE
QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED
STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY.
SAID ELEVATION IS MARKED AS BEING 4698 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

Robert L. Fry
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 6-17-96	DATE DRAWN: 6-18-96
PARTY B.B. J.F. C.B.T.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE CHEVRON U.S.A., INC.	

R
20
E

T7S, R21E, S.L.B.&M.

N89°53'43"E - 2475.24' (Meas.)

N89°50'54"E - 2647.69' (Meas.)

1950 Brass
Cap

1950 Brass
Cap

1950 Brass
Cap

Lot 1

BRENNAN FEDERAL UNIT #10

Elev. Ungraded Ground = 4693'

1980'

Lot 2

Lot 3

Lot 4

Lot 5

19

GREEN RIVER

Lot 9

Lot 8

Lot 7

Lot 12

Lot 10

Lot 13

Lot 11

N89°11'E - 79.11 (G.L.O.)

LEGEND:

└─┘ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

East 1/4 Cor.
Sec 18 1953
Brass Cap

N00°34'E - G.L.O.
(Basis of Bearings)
2651.63' (Measured)

S00°51'48"E - 3193.83' (Meas. to WC)

W.C. 1950
Brass Cap

N00°55'W - 35.08 (G.L.O.)

N00°09'E - 83.06 (G.L.O.)

LOCATION LAYOUT FOR

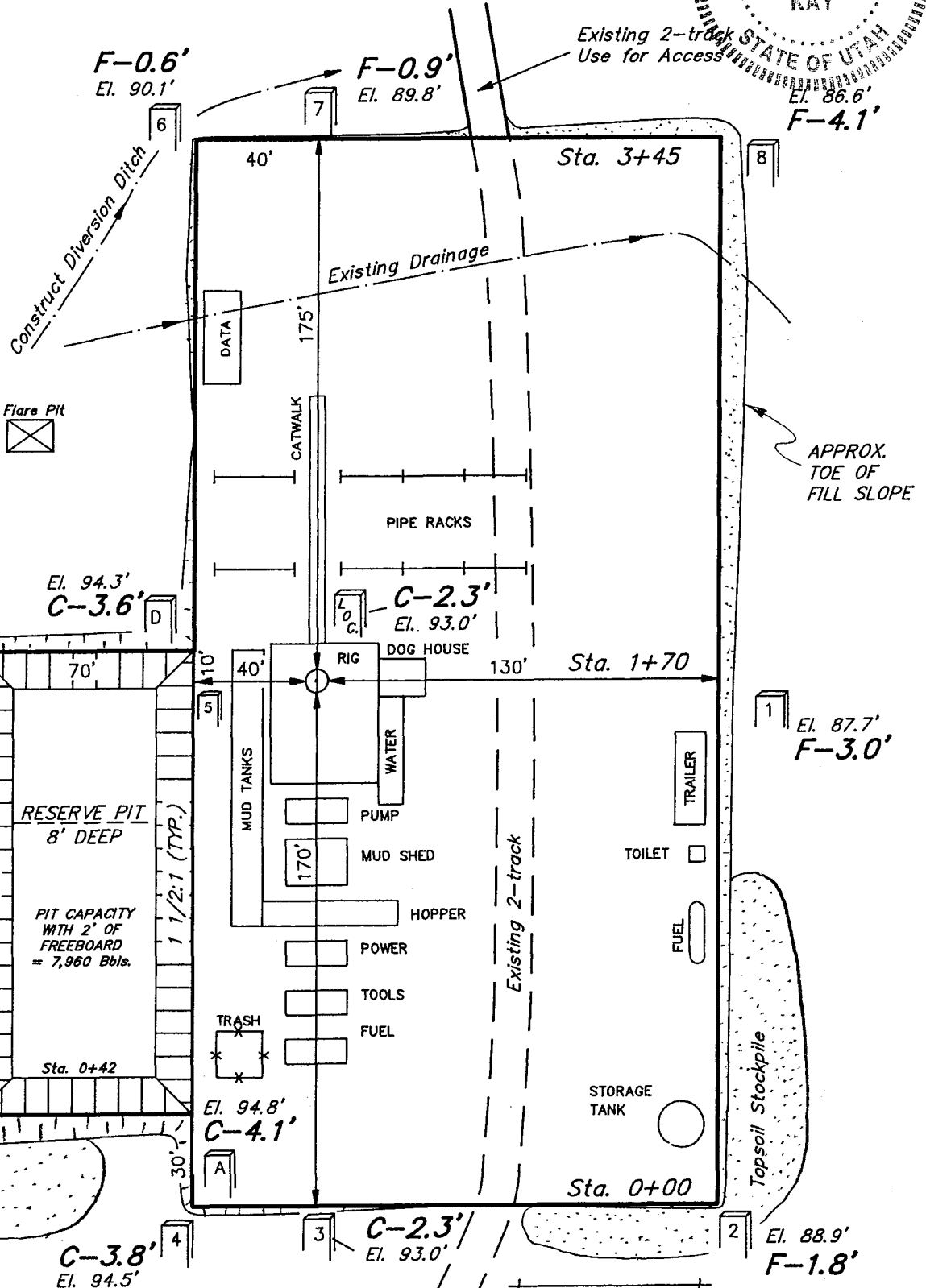
REGISTERED LAND SURVEYOR

No. 167819

ROBERT L. KAY

STATE OF UTAH

Elev. 86.6' F-4.1'



Elev. Ungraded Ground at Location Stake = 4693.0'
Elev. Graded Ground at Location Stake = 4690.7'

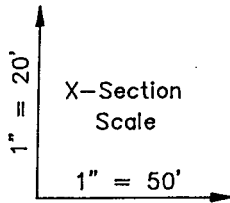
FIGURE #1

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (801) 789-1017

CHEVRON USA., INC.

TYPICAL CROSS SECTIONS FOR

BRENNAN FEDERAL UNIT #10
SECTION 19, T7S, R21E, S.L.B.&M.
660' FNL 1980' FEL



DATE: 6-19-96
Drawn By: C.B.T.

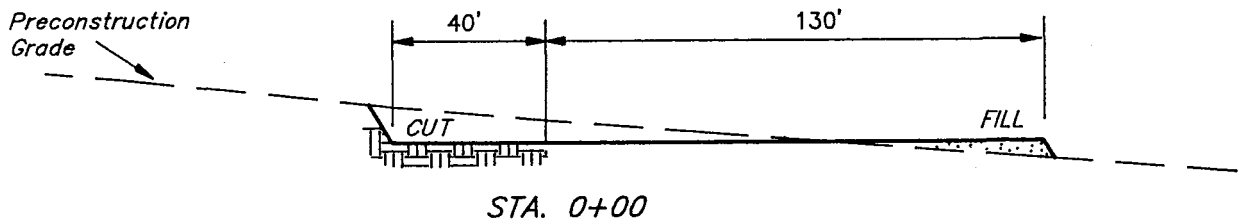
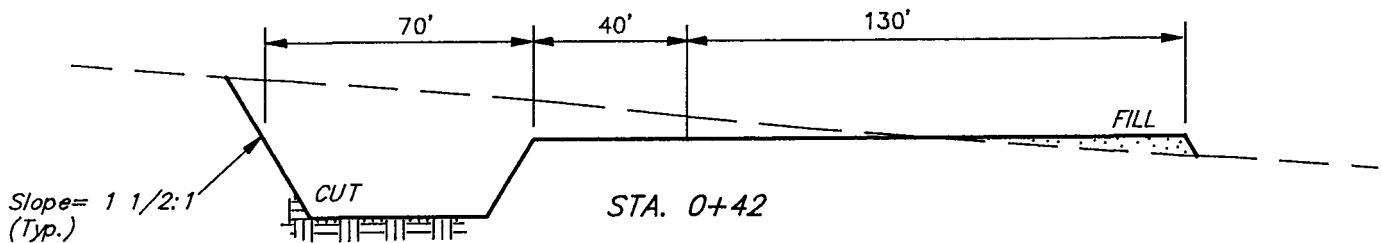
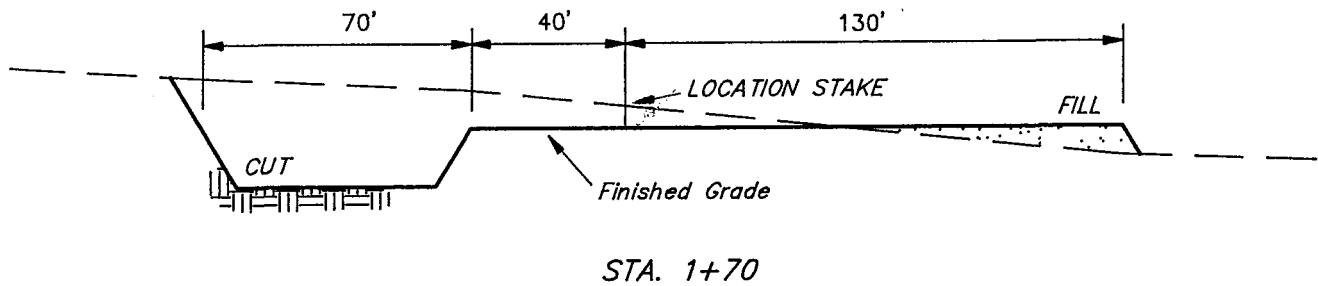
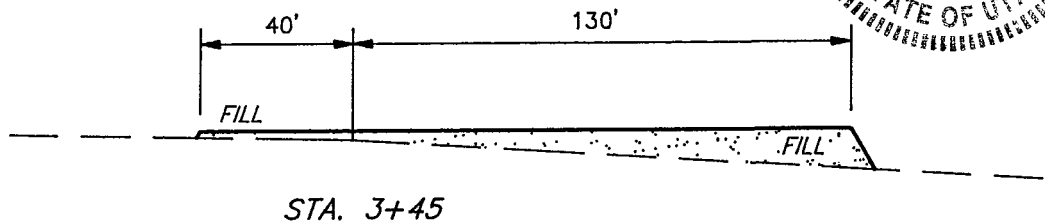
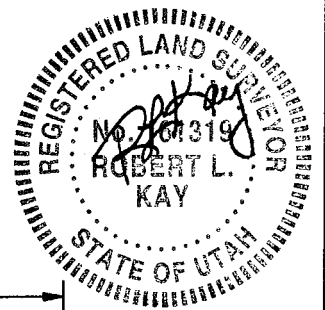


FIGURE #2

APPROXIMATE YARDAGES

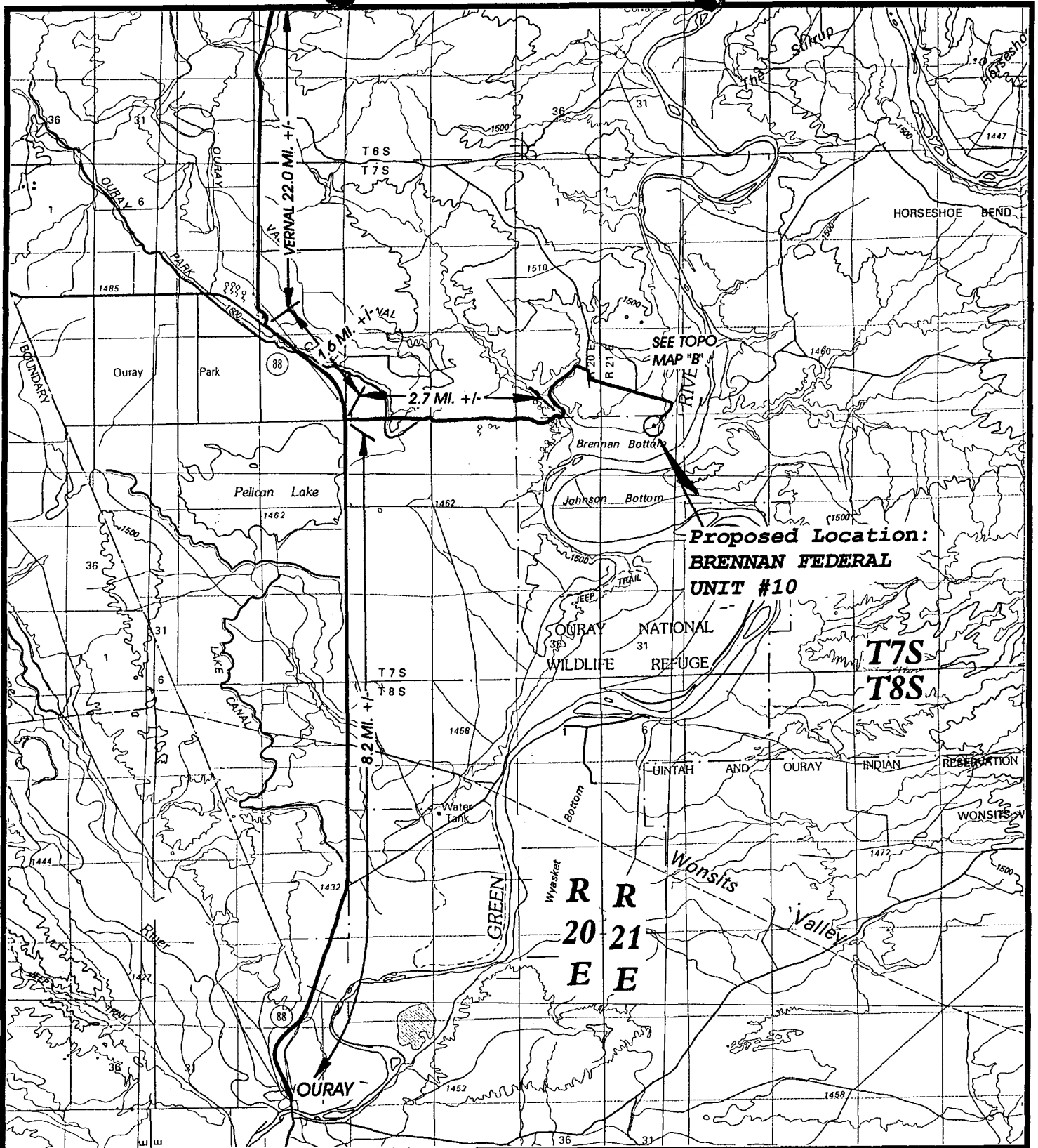
CUT

(6") Topsoil Stripping	= 1,280 Cu. Yds.
Remaining Location	= 5,390 Cu. Yds.
TOTAL CUT	= 6,670 CU.YDS.
FILL	= 3,980 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION

Topsoil & Pit Backfill	= 2,480 Cu. Yds.
(1/2 Pit Vol.)	
EXCESS CUT MATERIAL	= 0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (801) 789-1017



UELS

TOPOGRAPHIC MAP "A"

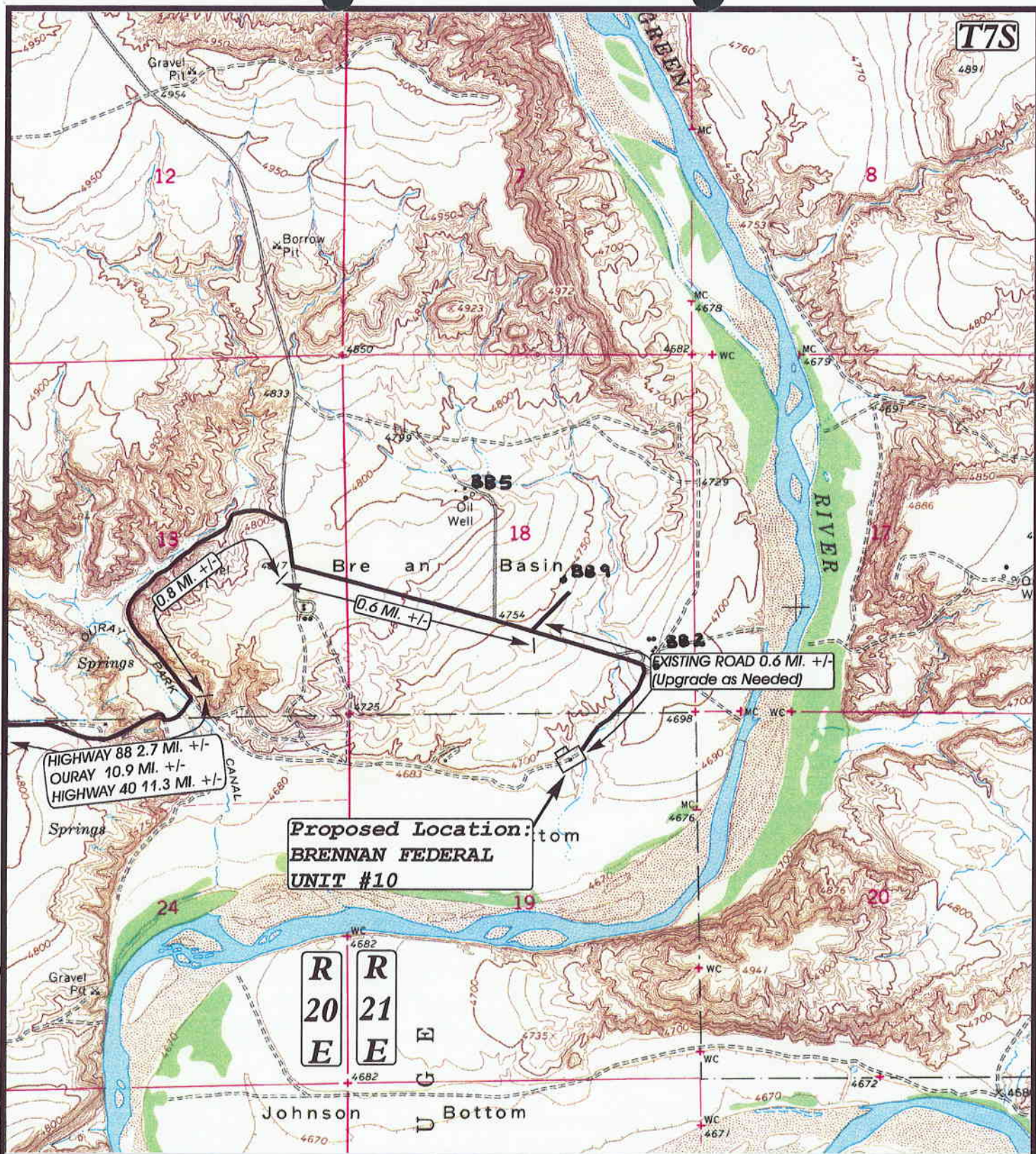
DATE: 6-18-96
Drawn by: C.B.T.



CHEVRON USA, INC.

BRENNAN FEDERAL UNIT #10
SECTION 19, T7S, R21E, S.L.B.&M.
660' FNL 1980' FEL

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017



UEIS

**TOPOGRAPHIC
MAP "B"**

**DATE: 6-18-96
Drawn by: C.B.T.**

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017



SCALE: 1" = 2000'

CHEVRON USA, INC.

**BRENNAN FEDERAL UNIT #10
SECTION 19, T7S, R21E, S.L.B.&M.
660' FNL 1980' FEL**

CHEVRON USA PRODUCTION CO.

**BRENNAN FEDERAL #10
660' FNL, 1980' FEL
NWNE-S19-T7S-R21E
UINTAH COUNTY, UTAH**

EIGHT POINT DRILLING PLAN

1. ESTIMATED FORMATION TOPS:

Uinta	Surface
Green River	~2995'
Oil Shale	~4653'
G1 Lime	~6498'
H4a Marker	~6778'
Wasatch	~6843'

**2. ESTIMATED DEPTHS OF TOP AND BOTTOM OF WATER, OIL, GAS, OR
OTHER MINERAL BEARING FORMATIONS AND PLAN FOR PROTECTION:**

Deepest Fresh Water: ~1750', Uinta Formation.

Oil Shale: Oil shale is expected between depths of ~4653-4993'.

Oil: Oil is expected in several intervals between the depths of 6498' and 6943'.

Gas: Minor shows may be encountered below ~2500'.

Protection of oil, gas, water, or other mineral bearing formations:
Protection shall be accomplished by cementing surface casing and production casing back to the surface or to depths sufficient to isolate required formations. Please refer to casing and cement information for protection plans.

3. PRESSURE CONTROL EQUIPMENT:

For drilling 12-1/4" surface hole to 600':

No BOP equipment required.

BRENNAN FEDERAL #10 - EIGHT POINT DRILLING PLAN

For drilling through 8.625" surface casing to TD:

Maximum anticipated surface pressure <1600 psi

Pressure control equipment shall be in accordance with BLM minimum standards for 3000 psi equipment.

A casing head with an 11", 3000 psi flange will be welded onto the 8.625" surface casing.

BOP stack will consist of a double gate and annular preventor. The double gate will be equipped with pipe rams on bottom and blind rams on top. The choke and kill lines will be connected to outlets between the bottom and top rams, utilizing either the ram body outlets or a drilling spool with side outlets. The BOP stack will be 9" or 11" bore, 3000 psi working pressure. The choke and kill lines will be 2" or 3" bore, 3000 psi working pressure. Please refer to attached schematics.

Test procedure and frequency shall be in accordance with BLM minimum standards for 3000 psi equipment.

4. SUPPLEMENTAL DRILLING EQUIPMENT AND CASING INFORMATION:

Casing Information:

Casing	Conn.	New/ Used	Stage Tool	Centralizers
8.625"	STC	New	None	10' above shoe, on 1st and 3rd collars
5.5"	LTC	New	None	10' above shoe, every other collar to top of pay

Cement Information:

8.625" Casing: Oilfield type cement circulated in. Class A single slurry mixed to 15.6 ppg, yield = 1.19 cf/sx. Fill to surface with 357 cf (300 sx). Tail plug used. Allowed to set under pressure.

BRENNAN FEDERAL #10 - EIGHT POINT DRILLING PLAN

5.5" Casing: Lead/tail oilfield type cement circulated in.

Tail slurry - 50/50 Class H/pozzolan + 2% gel + additives as required mixed to 14.1 ppg, yield = 1.23 cf/sx; or Class G + 12.5 lb/sx. gilsonite + additives as required mixed to 14.8 ppg, yield = 1.34 cf/sx. Fill to ~6100' (~500' above top of pay) with 312 cf (254 sx. or 233 sx.).

Lead slurry - Class A + extender + additives mixed to 11.0 ppg, yield = 3.82 cf/sx. Fill to surface using ~1602 cf (419 sx.).

Tail plug used. Allowed to set under pressure.

Drilling Equipment:

Surface hole will be drilled and surface casing set with a small rotary surface hole rig.

A rotating head may be used while drilling below surface casing for control of gas cut mud.

5. CIRCULATING MEDIUM, MUD TYPE, MINIMUM QUANTITIES OF WEIGHT MATERIAL, AND MONITORING EQUIPMENT:

Surface hole will be drilled with air, air/mist, foam or mud depending on hole conditions. Drilling below surface casing will be with water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash, and polymers. No chromates will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is ~9.5 ppg.

No minimum quantity of weight material will be required to be kept on location.

PVT/Flow Show will be used from base of surface casing to TD.

Gas detector will be used from base of surface casing to TD.

BRENNAN FEDERAL #10 - EIGHT POINT DRILLING PLAN

6. ANTICIPATED TYPE AND AMOUNT OF TESTING, LOGGING, AND CORING:

Logging:

Mud logging	~560' to TD
Gamma Ray	TD to ~560'
Spontaneous Potential	TD to ~560'
Induction	TD to ~560'
Density/Neutron	TD to 3500'
Sonic	None
Formation Micro Imager	None
Magnetic Resonance Imager	TD to 6447'

Coring: None

Testing: None planned.

7. EXPECTED BOTTOM HOLE PRESSURE AND ANY ANTICIPATED ABNORMAL PRESSURE, TEMPERATURES, OR OTHER HAZARDS (H₂S, STEAM, ETC.) AND ASSOCIATED CONTINGENCY PLANS:

Normal pressure gradient to TD, although target interval may be slightly pressure depleted. Drill with water or unweighted mud.

Maximum expected BHP @ 7200': ~3118 psi (~0.433 psi/ft.).

Maximum expected BHT @ 7200': ~165° F.

No abnormal hazards are anticipated and no contingency plans are required.

8. OTHER:

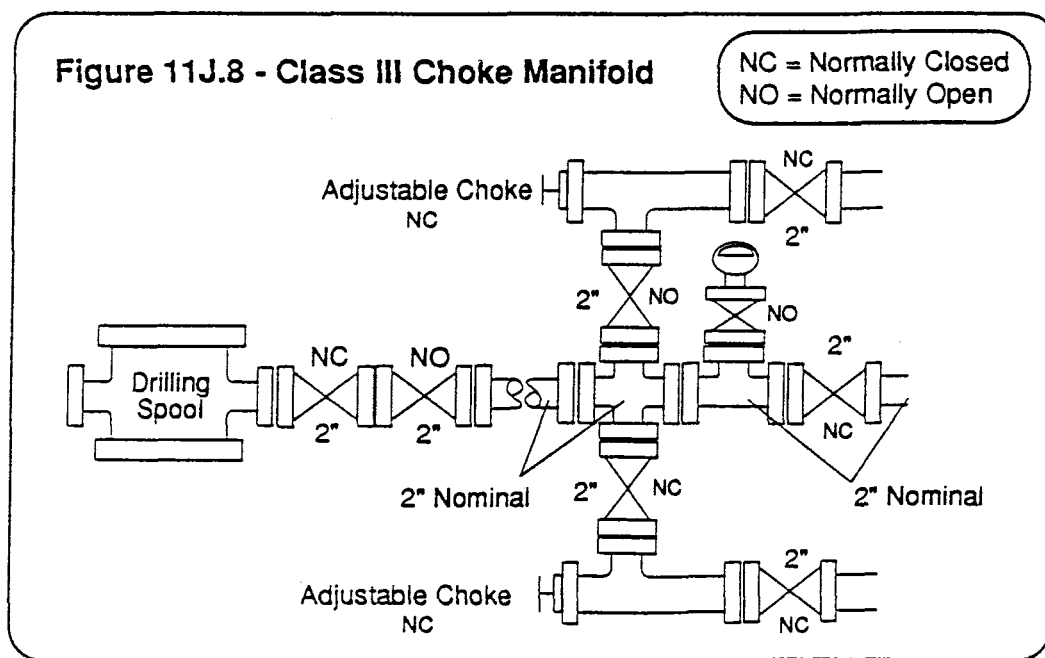
None.

CHEVRON DRILLING REFERENCE SERIES
VOLUME ELEVEN
WELL CONTROL AND BLOWOUT PREVENTION

D. CLASS III CHOKE MANIFOLD

The Class III choke manifold is suitable for Class III workovers and drilling operations. The Standard Class III choke manifold is shown in Figure 11J.8 below. Specific design features of the Class III manifold include:

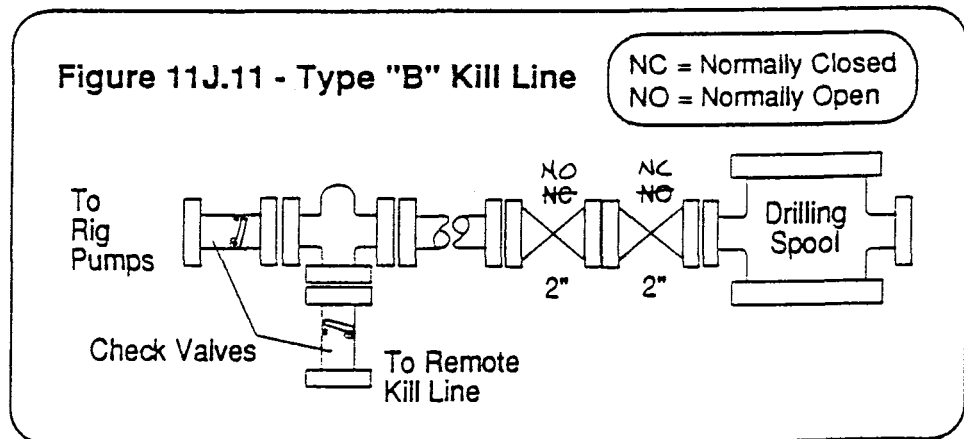
1. The manifold is attached to a drilling spool or the top ram preventer side outlet.
2. The minimum internal diameter is 2" (nominal) for outlets, flanges, valves and lines.
3. Includes two steel gate valves in the choke line at the drilling spool outlet. The inside choke line valve may be remotely controlled (HCR).
4. Includes two manually adjustable chokes which are installed on both side of the manifold cross. Steel isolation gate valves are installed between both chokes and the cross, and also downstream of both chokes.
5. Includes a bleed line which runs straight through the cross and is isolated by a steel gate valve.
6. Includes a valve isolated pressure gauge suitable for drilling service which can display the casing pressure within view of the choke operator.
7. Returns through the choke manifold must be divertible through a mud-gas separator and then be routed to either the shale shaker or the reserve pit through a buffer tank or manifold arrangement.
8. If the choke manifold is remote from the wellhead, a third master valve should be installed immediately upstream of the manifold cross.



D. TYPE "B" KILL LINE — CLASS III, IV , AND V WELLS

The type B kill line described below in Figure 11J.11 is the minimum recommended hookup for installation on all Class III, Class IV and Class V wells. Specific design features of the type B kill line include:

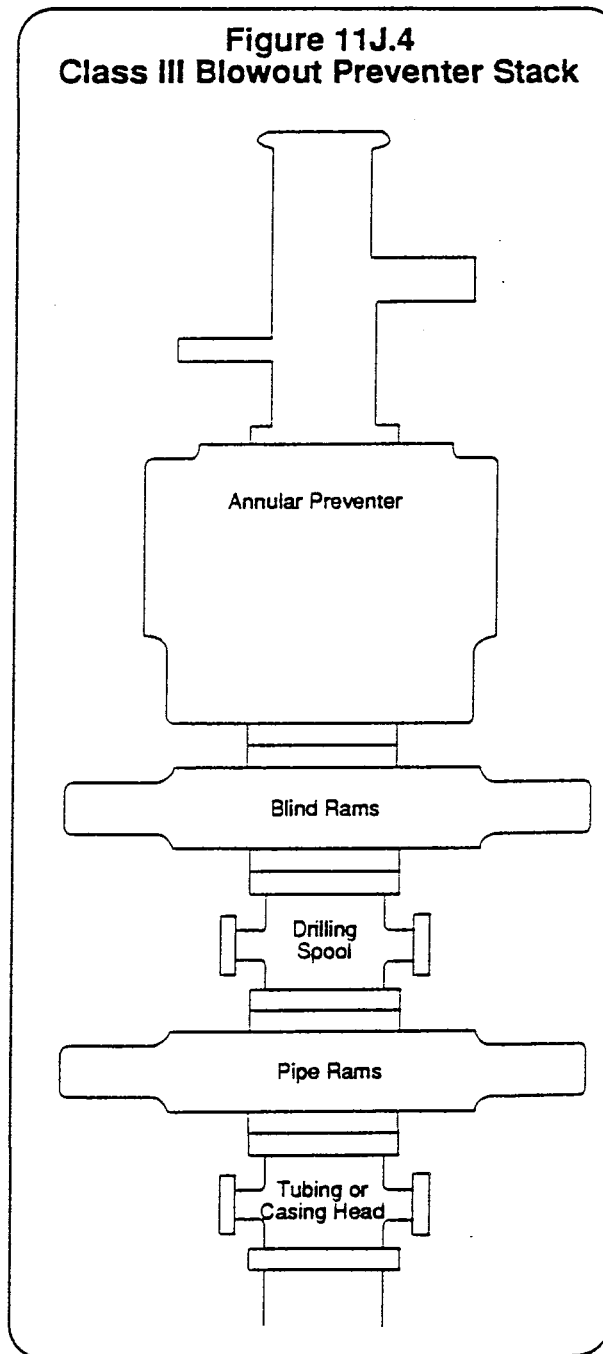
1. The preferred kill line connection to the well is at the drilling spool, however, a preventer side outlet may be used when space restrictions exclude the use of a drilling spool. In all cases, the kill line must be installed below the uppermost blind rams so the well can be pumped into with no pipe in the hole.
2. The arrangement includes two - 2" (nominal) gate valves installed at the drilling spool and an upstream fluid cross. The outside valve may be hydraulically remote controlled.
3. Two pump-in lines should be attached to the fluid cross. The **primary kill line** should be routed to the rig standpipe where it can be manifolded to the rig pumps. The **remote kill line** should be run to a safe location away from the rig or to the rig cementing unit. The remote kill line should have a loose end connection for rigging-up a high pressure pumping unit.
4. Both the primary kill line and the remote kill line must include a 2" check valve which is in working condition while drilling. If a check valve is crippled for testing purposes, the flapper or ball must be re-installed and tested before drilling resumes.
5. The primary kill line must include a pressure gauge which can display the pump-in pressure on the rig floor.
6. Any lines which are installed at the wellhead are designated as "**emergency kill lines**" and should only be used if the primary and remote kill lines are inoperable.



E. CLASS III BLOWOUT PREVENTER STACK:

The Class III preventer stack is designed for drilling or workover operations. It is composed of a single hydraulically operated annular preventer on top, then a blind ram preventer, a drilling spool, and a single pipe ram preventer on bottom. The choke and kill lines are installed onto the drilling spool and must have a minimum internal diameter of 2". All side outlets on the preventers or drilling spool must be flanged, studded, or clamped. An emergency kill line may be installed on the wellhead. A double ram preventer should only be used when space limitations make it necessary to remove the drilling spool. In these instances, the choke manifold should be connected to a flanged outlet between the preventer rams only. In this hookup, the pipe rams are considered master rams only, and cannot be used to routinely circulate out a kick. The Class III blowout preventer stack is shown to the right in Figure 11J.4.

**Figure 11J.4
Class III Blowout Preventer Stack**



CHEVRON USA PRODUCTION CO.

**BRENNAN FEDERAL #10
660' FNL & 1980' FEL
NWNE-S19-T7S-R21E, SLB&M
UINTAH COUNTY, UTAH**

THIRTEEN POINT SURFACE USE PLAN

1. EXISTING ROADS:

A. See Topographic Map A. There are no plans to change, alter or improve upon any existing state or county road.

B. See Topographic Map A. Proposed access road begins approximately 27.7 miles from Vernal, UT.

2. ACCESS ROADS TO BE CONSTRUCTED OR RECONSTRUCTED:

See Topographic Maps A and B. An existing road ~0.6 mile will be upgraded. An access road approximately 0.6 mile in length is proposed.

3. LOCATION OF EXISTING WELLS WITHIN ONE MILE:

See Topographic Map B.

4. LOCATION OF EXISTING OR PROPOSED FACILITIES IF WELL IS PRODUCTIVE:

A. See Topographic Map B.

B. Rod pumping equipment, a line heater and production tankage will be installed on the location.

C. Disturbed areas no longer needed for operations will be graded back to as near original state as possible. Drainage channels will be returned to original state and the areas will be reseeded as prescribed by the BLM.

D. A cathodic protection system will be installed on location following well completion.

BRENNAN FEDERAL #10 - THIRTEEN POINT SURFACE USE PLAN

5. LOCATION AND TYPE OF WATER SUPPLY:

Water from the following sources will be used:

A. Wonsits Valley Federal Unit water supply wells, July 2, 1965 Application #A-4646, paragraph 16.

1. 2471' South & 2122' East of the NW corner of Sec. 6-T8S-R21E, SLBM.
2. 2473' South & 2272' East of the NW corner of Sec. 6-T8S-R21E, SLBM.
3. 2474' South & 2422' East of the NW corner of Sec. 6-T8S-R21S, SLBM.

B. Water well in Ouray operated by A-1 Tank and Brine, Permit #43-8496.

1. East 400'. North 200' from S1/4 Cor. Sec. 32-T4s-R3E, USBM, Uintah County, Utah.

C. City water from Ouray provided by and via Ouray Brine's facility in Ouray. No permit.

Transportation of water shall be by tank truck.

6. CONSTRUCTION MATERIALS:

Native dirt and gravel will be used as construction materials.

7. METHODS FOR HANDLING WASTE DISPOSAL:

A. A reserve pit will be constructed to contain excess drilling fluids.

B. Excess reserve pit fluid will be disposed of via evaporation, percolation at pit abandonment or haul-off to a commercial disposal facility.

C. Drill cuttings will be caught and settled in the reserve pit and buried when the pit is backfilled.

D. Commercial service will provide portable toilets and haul-off to a commercial disposal facility.

BRENNAN FEDERAL #10 - THIRTEEN POINT SURFACE USE PLAN

E. Trash will be stored in trash containers and hauled to commercial or municipal facility for disposal.

F. It is not anticipated that any salt or chemicals will need to be disposed of. If required, disposal will be by commercial disposal facility.

G. In the event fluids are produced, any oil will be transferred to existing facilities within Brennan Bottom Unit and sold. Any water will be transferred to Red Wash Unit disposal facilities.

H. Hazardous chemicals 10,000lb. of which will most likely be used, produced, stored, transported or disposed of in association with the proposed action of drilling, completing and producing this well: We anticipate that none of the hazardous chemicals in quantities of 10,000 lb. or more will be associated with these operations.

I. Extremely hazardous substances threshold quantities of which will be used, produced, stored, transported or disposed of in association with the proposed action of drilling, completing and producing this well: We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

8. ANCILLARY FACILITIES:

None.

9. WELLSITE LAYOUT:

A. See Figures 1 and 2.

B. Burn pit will not be lined.

C. Access to the well pad will be as shown on Topographic Map B.

BRENNAN FEDERAL #10 - THIRTEEN POINT SURFACE USE PLAN

10. PLAN FOR RESTORATION OF SURFACE:

A. All surface areas not required for production operations will be graded to as near original condition as possible and contoured to maintain possible erosion to a minimum. Any rock encountered in excavation will be disposed of beneath backfill to return surface to its present appearance and provide soil for seed growth.

B. The topsoil will be evenly distributed over the disturbed areas. Reseeding will be performed as directed by the BLM.

C. Pits that would present a hazard to wildlife or livestock will be backfilled when the rig is released and removed.

D. Completion of the well is planned during 1996. Rehabilitation will commence following completion of the well. If the wellsite is to be abandoned, all disturbed areas will be recontoured to the natural contour as soon as possible.

11. SURFACE OWNERSHIP:

The wellsite, access roads and production facilities are constructed on state lands. The operator shall contact the State office at (801) 538-5277 between 24 and 48 hours prior to construction activities.

12. OTHER INFORMATION:

A. The well is located in hilly and sandy terrain. Vegetation consists of sagebrush and natural grasses around the location. The soil is a poorly developed, semi-arid, thin topsoil layer over the Uintah Formation.

B. Surface use activities other than the oil and gas well facilities consist of grazing.

C. There are no occupied dwellings near the wellsite.

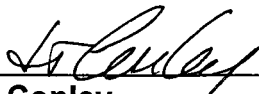
BRENNAN FEDERAL #10 - THIRTEEN POINT SURFACE USE PLAN

13. COMPANY REPRESENTATIVE:

Mr. J. T. Conley
11002 East 17500 South
Vernal, UT 84078
(801) 781-4301

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Chevron USA Production Co., Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

7-18-96
Date



J. T. Conley
Red Wash Asset Team Leader

United States Department of the Interior
Bureau of Land Management
Vernal District Office
170 South 500 West
Vernal, UT 84078

SELF-CERTIFICATION STATEMENT

Be advised that Chevron USA Production Company is considered to be the operator of Brennan Federal Unit #10, NWNE-Sec.19-T7S-R21E, Uintah County, Utah, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by Nationwide Bond #U-89-75-81-34 (Standard Oil Co. of California and its wholly owned subsidiary Chevron USA Production Co., as co-principals) via surety consent as provided for in 43 CFR 3104.2.

Sincerely,



J. T. Conley
Red Wash Area Team Leader

DATE: 7-18-96

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 07/23/96

API NO. ASSIGNED: 43-047-32771

WELL NAME: BRENNAN FEDERAL #10
OPERATOR: CHEVRON (N0210)

PROPOSED LOCATION:

NWNE 19 - T07S - R21E
SURFACE: 0660-FNL-1980-FEL
BOTTOM: 0660-FNL-1980-FEL
UINTAH COUNTY
UNDESIGNATED FIELD (002)

LEASE TYPE: STA
LEASE NUMBER: ML - 3068

PROPOSED PRODUCING FORMATION: GRRV

INSPECT LOCATION BY: 08/01/96

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Federal ☒ State ☐ Fee []
(Number U 89-75-91-24)
☒ Potash (Y/N)
☒ Oil shale (Y/N)
☒ Water permit
(Number 43-8496)
☒ RDCC Review (Y/N)
(Date: _____)

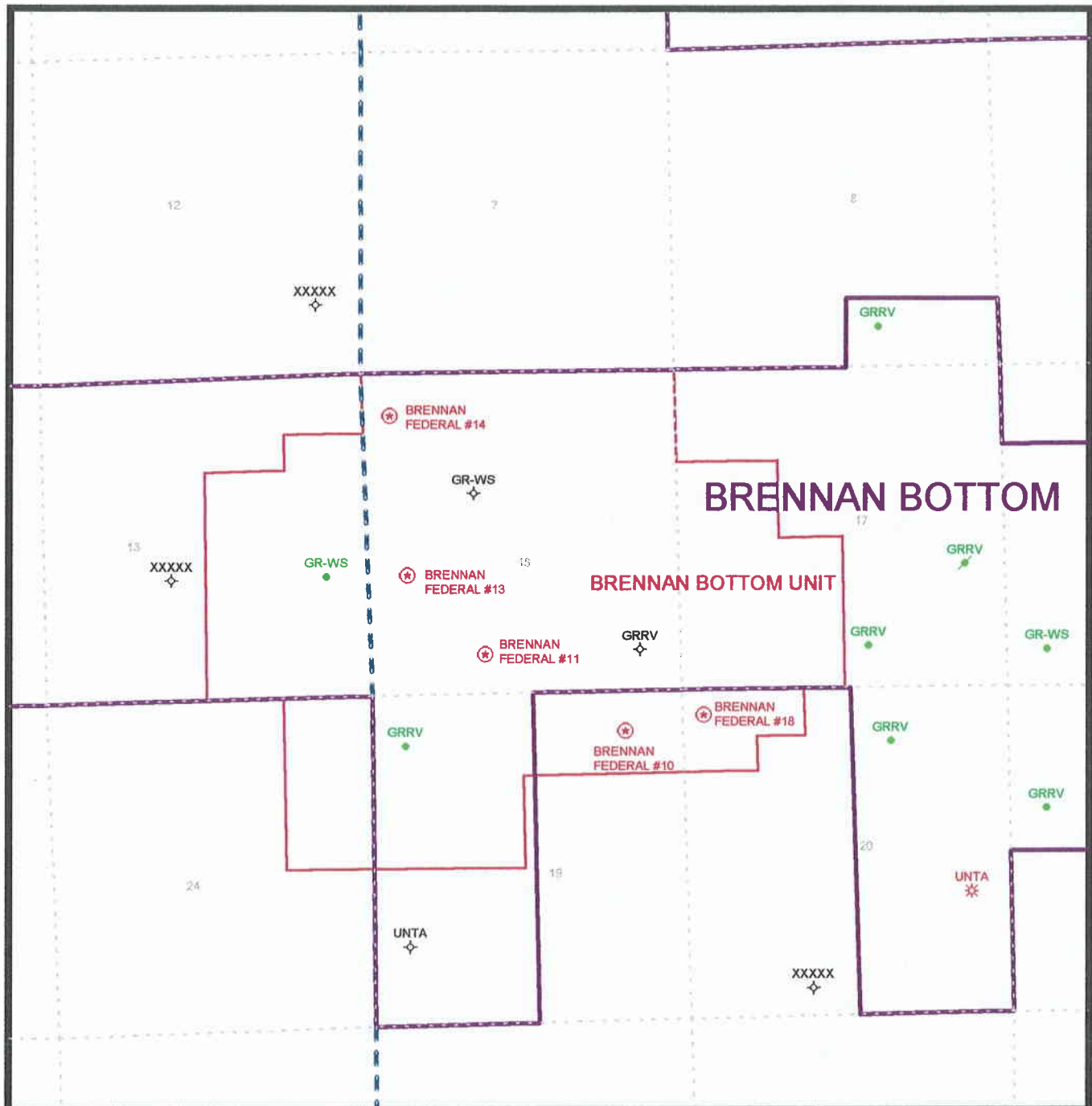
LOCATION AND SITING:

☒ R649-2-3. Unit: BRENNAN BOTTOM
____ R649-3-2. General.
____ R649-3-3. Exception.
____ Drilling Unit.
____ Board Cause no: _____
____ Date: _____

COMMENTS: _____

STIPULATIONS: _____

OPERATOR: CHEVRON
FIELD: BRENNAN BOTTOM (560)
SEC, TWP, RNG: SEC. 18, 19, 20 T7S, R21E
COUNTY: UINTAH
UAC: R649-3-2



PREPARED:
DATE: 23-JULY-96

STATE OF UTAH, DIV OF OIL, GAS & MINERALS

Operator: CHEVRON	Well Name: BRENNAN FED 10
Project ID: 43-047-32771	Location: SEC. 19 - T7S - R21E

Design Parameters:

Mud weight (9.50 ppg) : 0.494 psi/ft
 Shut in surface pressure : 2997 psi
 Internal gradient (burst) : 0.077 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Other : 1.50 (J)
 Body Yield : 1.50 (B)

Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost
1	7,200	5.500	17.00	N-80	LT&C	7,200	4.767	
	Collapse Load Strgth S.F. (psi) (psi)			Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load Strgth S.F. (kips) (kips)	
1	3553	6280	1.768	3553	7740	2.18	122.40	348 2.84 J

Prepared by : MATTHEWS, Salt Lake City, Utah
 Date : 09-04-1996
 Remarks :

WASATCH

Minimum segment length for the 7,200 foot well is 1,500 feet.

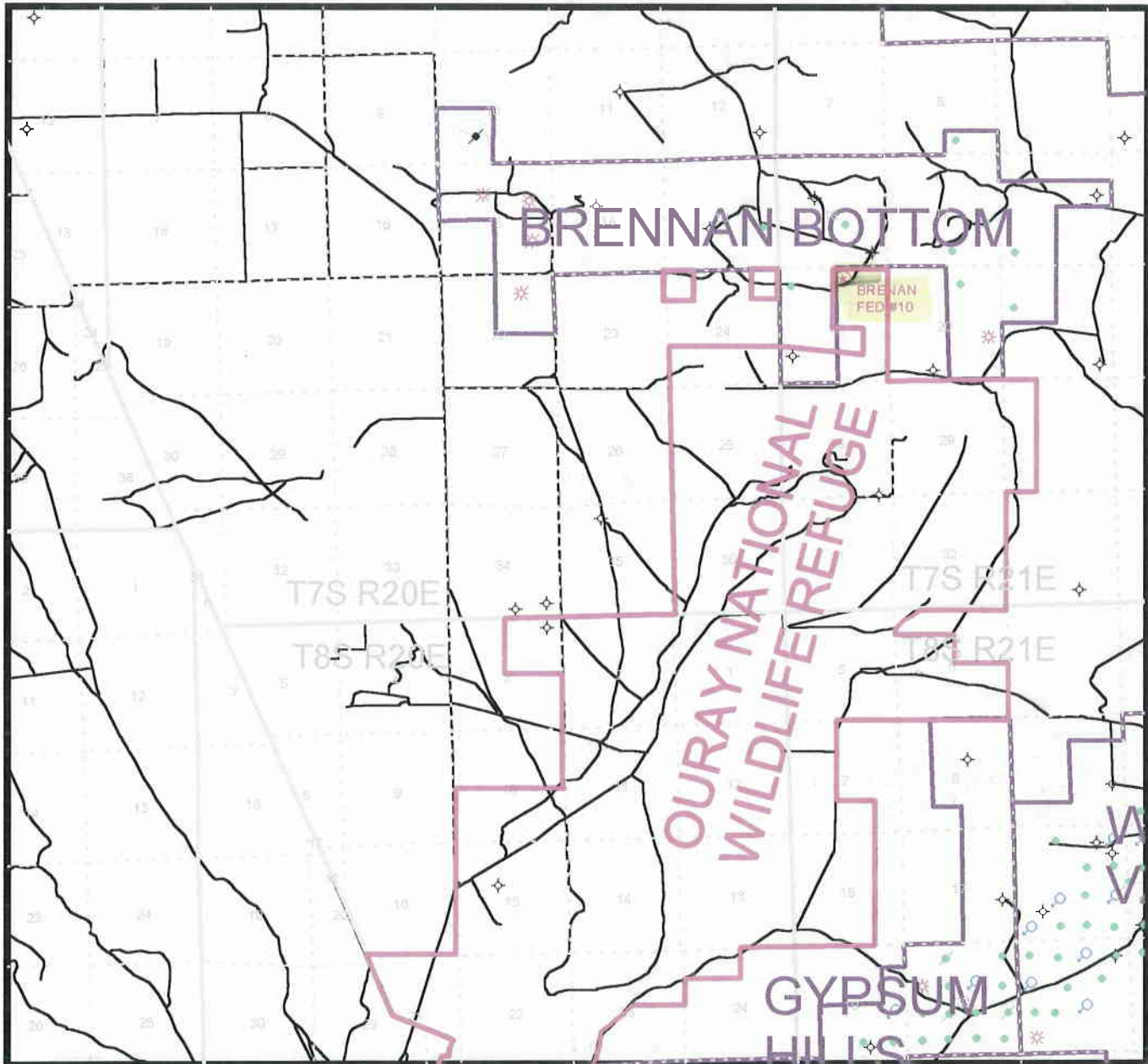
SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas temperature of 124°F (Surface 74°F , BHT 175°F & temp. gradient 1.400°/100 ft.)

String type: Production

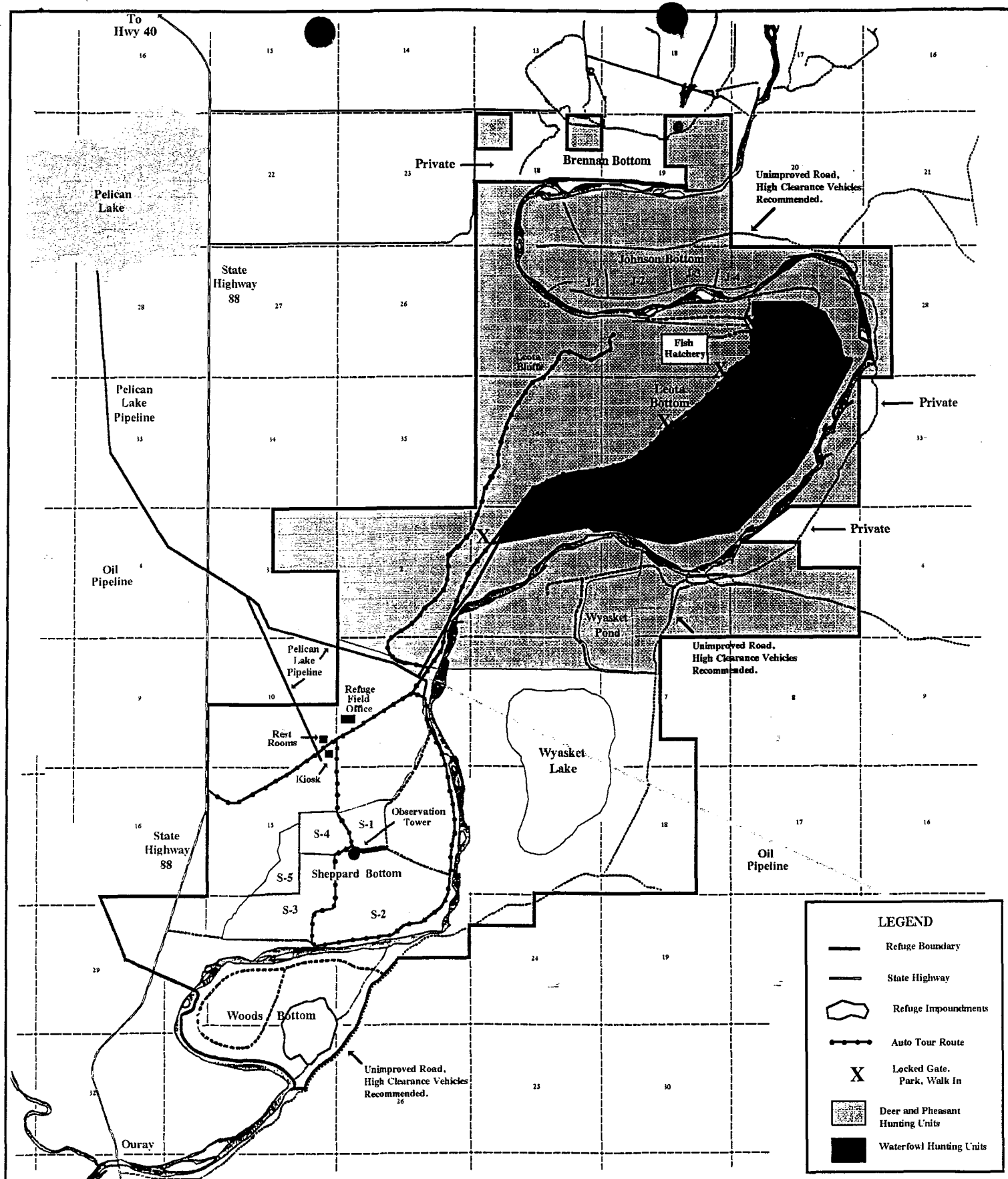
The mud gradient and bottom hole pressures (for burst) are 0.494 psi/ft and 3,553 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.
 Costs for this design are based on a 1987 pricing model. (Version 1.07)

OPERATOR: CHEVRON
FIELD: BRENNAN BOTTOM
SEC, TWP, RNG: 19, T7S, R21E
COUNTY: UINTAH
UAC: R649-3-2



PREPARED:
DATE: 4-NOV-96



OURAY NATIONAL WILDLIFE REFUGE **REFUGE HUNTING MAP AND REGULATIONS**

Welcome to the Ouray National Wildlife Refuge. The following information on Refuge hunting regulations is provided to assist you during your hunt on the Refuge.

The only wildlife which may be hunted on the refuge are: **DUCKS, GEESE, COOTS, PHEASANTS AND DEER**. Please refer to the unit specific regulations found below for which species may be hunted in each unit of the refuge.

Be aware that much of the refuge is leased **UTE TRIBAL LANDS** and that special regulations from the Ute Tribe may pertain to these lands. These leased lands include the Wyasket Lake area and Woods Bottom units of the Refuge.

NON-TOXIC (STEEL SHOT) is required for all waterfowl and pheasant hunting.

CAMPING AND OPEN FIRES ARE PROHIBITED.

The **RIVER, SANDBARS AND ISLANDS** within the Refuge boundary are **CLOSED** to hunting.

All **VEHICLES**, including ATV's, must stay on established roads.

Leota Bottom is closed to all motorized vehicles. Hunting by foot, bike or horseback is acceptable. Retrieval of deer by hand drawn carts, etc., is acceptable.

All **FIREARMS WILL BE UNLOADED, CASED OR BROKEN DOWN, AND REMAIN IN THE VEHICLE** in the closed to hunting area of the Refuge.

PROHIBITED ACTIVITIES include wood cutting and gathering, littering, disturbing or removing plants or natural objects, and removing artifacts of antiquity.

SPECIFIC UNIT REGULATIONS

SHEPPARD BOTTOM: CLOSED TO ALL HUNTING

LEOTA BOTTOM: OPEN to waterfowl, pheasant, and deer hunting. No motor vehicles. Access by foot, bike, or horseback.

JOHNSON BOTTOM: OPEN to pheasant and deer hunting.

WOODS BOTTOM: Open to Ute Tribal Members only for deer only.

WYASKET BOTTOM: Northern one-third OPEN to pheasant and deer hunting. Southern two-thirds open to deer hunting by Tribal Members only.

BRENNAN BOTTOM: OPEN to pheasant and deer hunting.



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

September 4, 1996

Chevron USA Production
11002 East 17500 South
Vernal, Utah 84078

Re: Brennan Federal #10 Well, 660' FNL, 1980' FEL, NW NE,
Sec. 19, T. 7 S., R. 21 E., Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-32771.

Sincerely,

R. J. Firth
Associate Director

lwp

Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal District Office

Operator: Chevron USA Company
Well Name & Number: Brennan Federal #10
API Number: 43-047-32771
Lease: ML-3068
Location: NW NE Sec. 19 T. 7 S. R. 21 E.

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews at (801)538-5334 or Mike Hebertson at (801)538-5333.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: CHEVRON USA

Well Name: BRENNAN FEDERAL # 10

Api No. 43-047-32771

Section 19 Township 7S Range 21E County UINTAH

Drilling Contractor

Rig #

SPUDDED:

Date 1/8/97

Time

How DRY HOLE

Drilling will commence

Reported by D. HACKFORD

Telephone #

Date: 1/8/97 Signed: JLT

STATE OF UTAH
DIVISION OF OIL GAS AND MINING
BOPE TEST INSPECTION FORM

COMPANY: CHEVRON USA REPRESENTATIVE: TONY HARLAN

WELL NAME: BRENNAN FED. #10 API NO: 43-047-32771

WELL SIGN: Y OTR/DTR NW/NE SEC: 18 TWP: 7S RANGE: 21E

INSPECTOR: DAVID HAGENFORD TIME: VARIOUS AM DATE: 1/31/97

DRILLING CONTRACTOR: COLORADO WELL SERV. RIG: 78

DEPTH: 651' LAST CASING: 8 3/8 SET @: 651'

TESTED BY: DOUBLE JACK WATER: YES HUD:

TEST PRESSURES: 5000 KELLYCOCK: UPPER YES LOWER YES

INSIDE BOP NO FULL OPENING VALVE ON FLOOR YES

WRENCH FOR FULL OPENING VALVE/KELLYCOCK ON FLOOR YES

STACK LISTED AS ARRANGED (FROM TOP TO BOTTOM): PRESSURE

1. ROTATING HEAD
2. ANNULAR
3. BLIND RANG
4. PIPE RANG 8 1/2"
5. SPOOL
6. WELL HEAD

CHOKE MANIFOLD AND VALVES:

DART VALVE: YES FLOOR VALVE: YES HCR VALVE: NO

INSIDE VALVES YES OUTSIDE VALVES YES

ADDITIONAL COMMENTS: ALL TESTS TO 5000 LBS AND HELD FOR 20 MINUTES EXCEPT FOR ANNULAR AND SURFACE PIPE WHICH WAS TESTED TO 1500 LBS FOR 20 MINUTES. ALL BOP RANGERS ON STACK ARE NOW MATED.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

Oil

Gas

☒

Well

☐

Well

☐

Other

2. Name of Operator

CHEVRON U.S.A. PRODUCTION COMPANY

3. Address and Telephone No

11002 E. 17500 S. VERNAL, UT 84078-8526

(801) 781-4300

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW NE, SEC 19,T7S, R21E, 660' FNL 1980' FEL, NW NE

5. Lease Designation and Serial No.

ML-3068

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

BRENNAN BOTTOM UNIT

8. Well Name and No.

BRENNAN FEDERAL #10

9. API Well No.

43-047-32771

10. Field and Pool, or Exploratory Area

BRENNAN BOTTOM-GREEN
RIVER

11. County or Parish, State

UINTAH, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐

Notice of Intent

☒

Subsequent Report

☐

Final Abandonment Notice

TYPE OF ACTION

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing Repair

☐

Altering Casing

☐

Other SPUD DATE

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☐

Conversion to Injection

☐

Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

THIS WELL WAS SPUD ON 01/21/97.

14. I hereby certify that the foregoing is true and correct.

Signed

D. C. Tanner

Title COMPUTER SYSTEMS OPERATOR

Date

1/23/97

(This space for Federal or State office use)

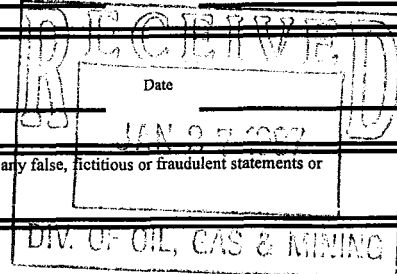
Approved by:

Title

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side



State of Utah
Division of Oil, Gas and Mining

ENTITY ACTION FORM - FORM 6

OPERATOR:
ADDRESS:

Chevron USA Production Company

11002 East 17500 South

Vernal, Utah 84078-8526

OPERATOR ACCT. No. N0210

(801)781-4300

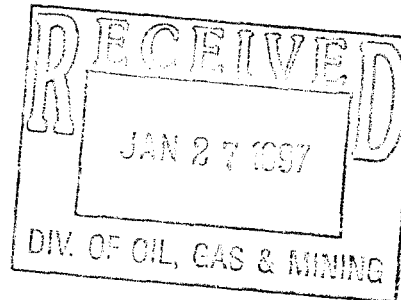
Action Code	Current Entity No.	New Entity No.	API Number	Well Name	QQ	SC	TP	RG	County	Spud Date	Effective Date
B	05261	→	43-047-32771	Brennan Federal #10	NW NE	19	7S	21 E	Uintah	01/18/96	
WELL 1 COMMENTS: New well to be drilled in Brennan Federal Unit. <i>Entity added 1-29-97. Lee</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected

(3/89)



DC Lanna
Signature

Computer Systems Opr. _____
Title _____ Date _____

Phone No. **(801) 781-4300**

Double Jack Testing & Services, Inc.
B.O.P. Test Report

B.O.P. Test performed on (date) 1/21/97

Oil Company Chevron U.S.A.

Well Name & Number Brennen Fed. #10

Section _____

Township _____

Range _____

County & State Uintah, Ut.

Drilling Rig Carl Dell #78

Company Man Tony Harland

Tool Pusher Jerry Mechem

Notified prior to test _____

Copies of this report sent to:

~~State~~ State

Location

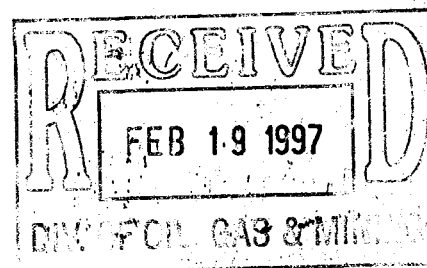
Original chart & test report on file at:

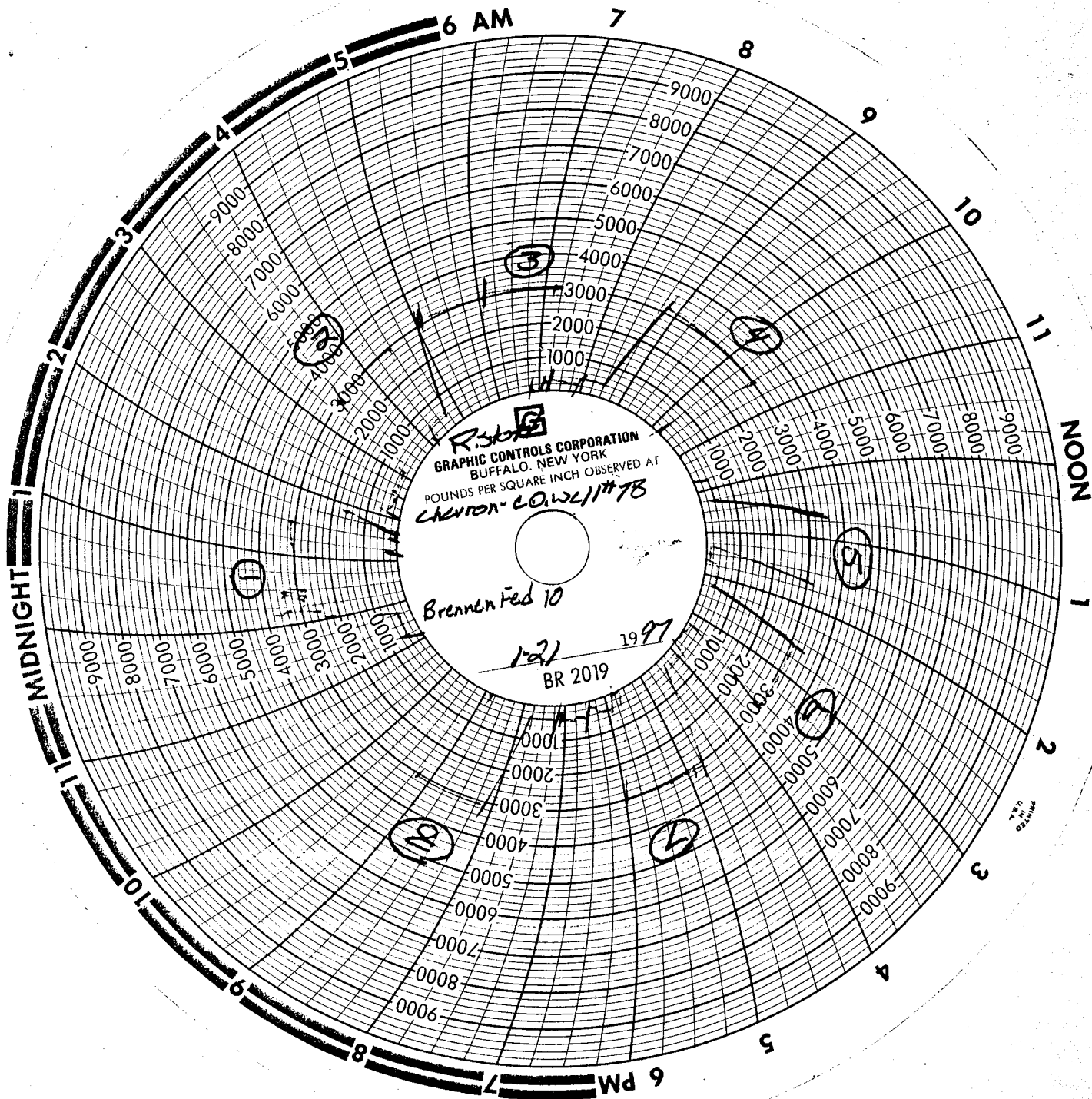
Double Jack Testing

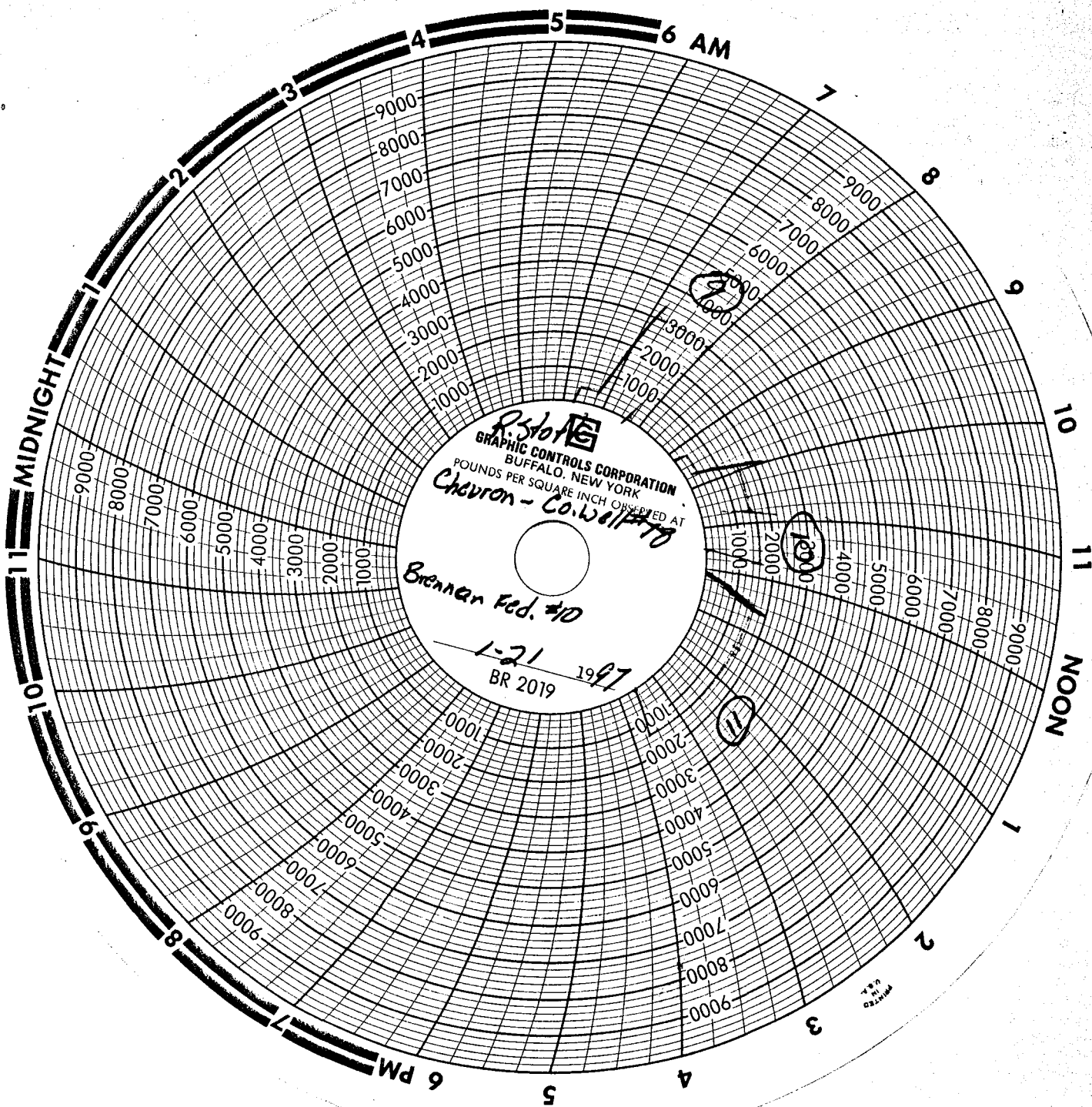
P.O. Box 828

Vernal, UT 84078

(801)781-0448

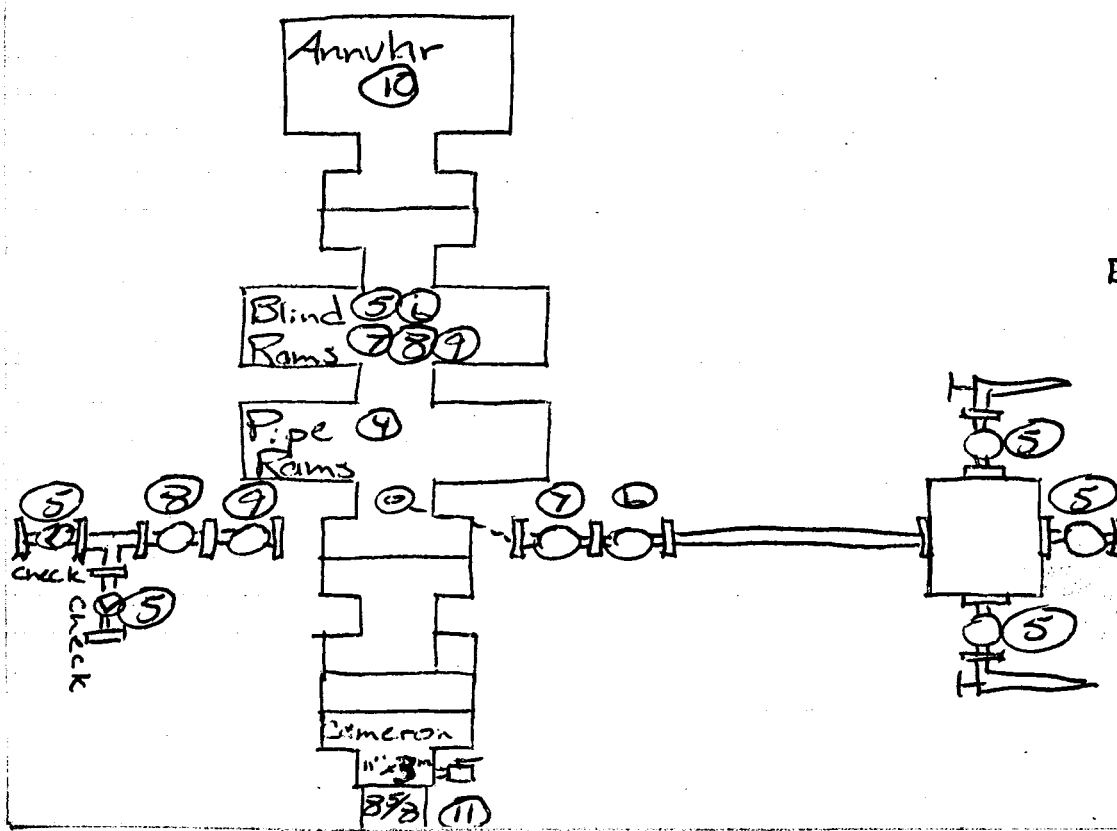






- ① Floor Safety vlv. (TIW)
250psi: 5min 3000psi: 10min
- ② Lower kelly vlv
250psi: 5min 3000psi: 10min
- ③ Upper kelly vlv
250psi: 5min 3000psi: 10min
- ④ Pipe Rams + Inside B.O.P. vlv
250psi: 5min 3000psi: 10min
- ⑤ Blind Rams + Check vlv + Manifold
250psi: 5min 3000psi: 10min
- ⑥ Blind Rams + O.S. Chokeline vlv
250psi: 5min 3000psi: 10min
- ⑦ Blind Rams + I.S. Chokeline vlv
250psi: 5min 3000psi: 10min
- ⑧ Blind Rams + Mud. kill vlv
250psi: 5min 3000psi: 10min
- ⑨ Blind Rams + I.S. Kill vlv
250psi: 5min 3000psi: 10min
- ⑩ Annular
250psi: 5min 1500psi: 10min
- ⑪ 8 5/8" cong
1500psi: 30min

* Fill Chokeline + manifold w/ methanol



Rod Stott
Double Jack Testing
Thank You

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

Oil

Gas



Well



Well



Other

2. Name of Operator

CHEVRON U.S.A. PRODUCTION COMPANY

3. Address and Telephone No

11002 E. 17500 S. VERNAL, UT 84078-8526

(801) 781-4300

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW NE, SEC 19, T7S, R21E, 660' FNL 1980' FEL, NW NE

5. Lease Designation and Serial No.

ML-3068

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

BRENNAN BOTTOM UNIT

8. Well Name and No.

BRENNAN FEDERAL #10

9. API Well No.

43-047-32771

10. Field and Pool, or Exploratory Area

BRENNAN BOTTOM-GREEN
RIVER

11. County or Parish, State

UINTAH, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION



Notice of Intent



Subsequent Report



Final Abandonment Notice

TYPE OF ACTION



Abandonment



Recompletion



Plugging Back



Casing Repair



Altering Casing



Other FIRST PRODUCTION



Change of Plans



New Construction



Non-Routine Fracturing



Water Shut-Off



Conversion to Injection

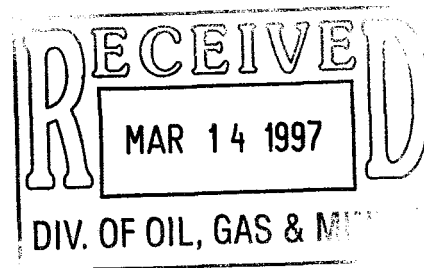


Dispose Water

(Note) Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

THIS WELL COMMENCED PRODUCTION ON 3/11/97.



14. I hereby certify that the foregoing is true and correct.

Signed

OC Tanner

Title

COMPUTER SYSTEMS OPERATOR

Date

3/12/97

(This space for Federal or State office use)

Approved by:

Title

Date

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(See other instructions on reverse side).

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____		7. UNIT AGREEMENT NAME BRENNAN BOTTOM UNIT	
b. TYPE OF COMPLETION NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR <input type="checkbox"/> Other _____		8. FARM OR LEASE NAME	
2. NAME OF OPERATOR CHEVRON USA PRODUCTION CO., INC.		9. WELL NO. BRENNAN FEDERAL #10	
3. ADDRESS OF OPERATOR 11002 EAST 17500 SOUTH, VERNAL, UT 84078 801-781-4300		10. FIELD AND POOL, OR WILDCAT BRENNAN BOTTOM - GREEN RIVER	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 660' FNL, 1980' FEL, NWNE At top rod. interval reported below SAME At total depth SAME		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SEC. 19-T7S-R21E, SLBM	
14. PERMIT NO. 43-047-32771		DATE ISSUED 9/4/96	
12. COUNTY OR PARISH UINTAH		13. STATE UT	
15. DATE SPUDDED 1/21/97	16. DATE T.D. REACHED 2/3/97	17. DATE COMPL. (Ready to prod.) 2/25/97	18. ELEVATIONS (OF, RKB, RT, GR, ETC.)* 4693' KB, 4679' GL
19. ELEV. CASINGHEAD	20. TOTAL DEPTH, MD & TVD 7060'		
21. PLUG BACK T.D., MD & TVD 7005'		22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY ROTARY TOOLS X CABLE TOOLS
24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* 6725' TO 6860' GREEN RIVER			25. WAS DIRECTIONAL SURVEY MADE NO
26. TYPE ELECTRIC AND OTHER LOGS RUN CBL, COMP. DEUSILOG/COMP NEUTRON/GR DUAL INDUCTION FOCUSED LOG/GR. MAGNETIC RESONANCE IMAGING LOG			27. WAS WELL CORED
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8-5/8	24	665	12-1/4
5-1/2	17	7060	7-7/8
		CEMENTING RECORD	
		400 SX. PREMIUM V	
		430 SX. CLASS H HI-FILL LEAD;	
		560 SX. CLASS H TAIL	
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
			SCREEN (MD)
		30. TUBING RECORD	
		SIZE	DEPTH SET (MD)
		2-7/8	6822
		PACKER SET (MD)	
31. PERFORATION RECORD (Interval, size and number)			
6725-38' H2 LIME			
6769-74' H4A LIME			
6835-48' I SAND			
6857-60' I SAND			
ALL PERFORATIONS 4 JSPF, 90° PHASING			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
6725-38'		2500 GAL. 28% HCL	
6769-74'		2500 GAL. 28% HCL	
6835' THROUGH 6860'		5500 GAL. GEL & 30200# 20/40 SAND	
33.* PRODUCTION			
DATE FIRST PRODUCTION 3/11/97		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) ROD PUMP, 2-1/2" X 1-1/2" X 26' RHCB	
WELL STATUS (Producing or shut-in) PRODUCING			
DATE OF TEST 3/12/97	HOURS TESTED 18	CHOKE SIZE NA	PROD'N FOR TEST PERIOD ----->
OIL--BBL. 60	GAS--MCF. 8	WATER--BBL. 80	GAS-OIL RATIO 133
FLOW. TUBING PRESS. 250	CASING PRESSURE 50	CALCULATED 24-HOUR RATE ----->	OIL GRAVITY-API (CORR.) 32
DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) USED FOR FUEL			TEST WITNESSED BY ROY DIXON
35. LIST OF ATTACHMENTS			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			

SIGNED **R.A.Griffin**

TITLE **GEOLOGIC TECHNICIAN**

DATE **12 March 1997**

(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TOP VERT. DEPTH
Uinta	Surface	3382	No Core No DSTs	Green River - Oil Shale	4725	
Green River	3382	6890		Green River - G1 Lime	6531	
				Green River - H2 Lime	6724	
				Green River - H4a	6769	
				Green River - I sand	6835	
Wasatch	6890	TD	<p>LOG DESCRIPTION (From Page 1) GRFC-API 0 310 1 1: Gamma ray counts DRFC-G/C3 0 356 99 1: ZDL Correction CAFC. 0 0 0 1: N/A D273.PU 0 890 99 1: Porosity from ZDEN PEFC.BARN 0 995 99 1: Photo Electric cross section RBFC-G/C3 0 350 1 1: ZDL Bulk Density RDDI.OHMM 0 120 46 1: Resistivity from CILD RMDI.OHMM 0 120 44 1: Resistivity from CILM RSDI.OHMM 0 220 6 1: Resistivity from CFOC SPmisc.MV 0 10 1 1: Spontaneous Potential - Eclipse version LMCN.PU 0 995 99 1: CNC corrected to Field Normalized transform SPDLMV 0 10 1 1: Spontaneous Potential MRIL - Magnetic Resonance Imaging Log GR-CBL-CCCL - Gamma Ray Cement Bond Log</p>			

1

BARRELS OF 42 GALLONS

ARTHUR F. BROCK

Tank Table Service

Box 262 Tulsa, Okla. 74101

Strapped By

Date 03/06/97 CHEVRON:

Owner CHEVRON USA PROD. CO., INC.

Farm BRENNAN BOTTOM #10 ML 3068

¼ Sec. NW NE

Dist.

Sec. 19 7S 21E

County UINTAH

State UTAH

¼" INCREMENTS

Ft.	In.	Qt.	
0	9	0	0.00499
1	6	0	0.41932
2	11	0	0.40847
15	0	0	0.41952
			0.41764

300.56399

15 Ft.

0" 300.56

1/4

1/2

3/4

1"

1/4

1/2

3/4

2"

1/4

1/2

0 Ft.		1 Ft.		2 Ft.		3 Ft.		4 Ft.		5 Ft.		6 Ft.		7 Ft.		8 Ft.		9 Ft.		10 Ft.		11 Ft.		12 Ft.		13 Ft.		14 Ft.	
0"	0.00	0"	20.00	0"	39.87	0"	60.00	0"	80.05	0"	100.09	0"	120.14	0"	140.19	0"	160.23	0"	180.28	0"	200.33	0"	220.37	0"	240.42	0"	260.47	0"	280.51
1/4	0.42	1/4	20.41	1/4	40.29	1/4	60.42	1/4	80.46	1/4	100.51	1/4	120.56	1/4	140.60	1/4	160.65	1/4	180.70	1/4	200.74	1/4	220.79	1/4	240.84	1/4	260.88	1/4	280.93
1/2	0.84	1/2	20.81	1/2	40.71	1/2	60.83	1/2	80.88	1/2	100.93	1/2	120.97	1/2	141.02	1/2	161.07	1/2	181.11	1/2	201.16	1/2	221.21	1/2	241.25	1/2	261.30	1/2	281.35
3/4	1.26	3/4	21.22	3/4	41.13	3/4	61.25	3/4	81.30	3/4	101.34	3/4	121.39	3/4	141.44	3/4	161.48	3/4	181.53	3/4	201.58	3/4	221.63	3/4	241.67	3/4	261.72	3/4	281.77
1"	1.68	1"	21.63	1"	41.55	1"	61.67	1"	81.72	1"	101.76	1"	121.81	1"	141.86	1"	161.90	1"	181.95	1"	202.00	1"	222.04	1"	242.09	1"	262.14	1"	282.18
1/4	2.10	1/4	22.04	1/4	41.97	1/4	62.09	1/4	82.13	1/4	102.18	1/4	122.23	1/4	142.27	1/4	162.32	1/4	182.37	1/4	202.41	1/4	222.46	1/4	242.51	1/4	262.55	1/4	282.60
●	2.52	1/2	22.45	1/2	42.39	1/2	62.50	1/2	82.55	1/2	102.60	1/2	122.64	1/2	142.69	1/2	162.74	1/2	182.78	1/2	202.83	1/2	222.88	1/2	242.92	1/2	262.97	1/2	283.02
	2.94	3/4	22.86	3/4	42.81	3/4	62.92	3/4	82.97	3/4	103.02	3/4	123.06	3/4	143.11	3/4	163.16	3/4	183.20	3/4	203.25	3/4	223.30	3/4	243.34	3/4	263.39	3/4	283.44
2"	3.35	2"	23.26	2"	43.23	2"	63.34	2"	83.39	2"	103.43	2"	123.48	2"	143.53	2"	163.57	2"	183.62	2"	203.67	2"	223.71	2"	243.76	2"	263.81	2"	283.85
1/4	3.77	1/4	23.67	1/4	43.64	1/4	63.76	1/4	83.80	1/4	103.85	1/4	123.90	1/4	143.94	1/4	163.99	1/4	184.04	1/4	204.08	1/4	224.13	1/4	244.18	1/4	264.22	1/4	284.27
1/2	4.19	1/2	24.08	1/2	44.06	1/2	64.17	1/2	84.22	1/2	104.27	1/2	124.31	1/2	144.36	1/2	164.41	1/2	184.46	1/2	204.50	1/2	224.55	1/2	244.60	1/2	264.64	1/2	284.69
3/4	4.61	3/4	24.49	3/4	44.48	3/4	64.59	3/4	84.64	3/4	104.69	3/4	124.73	3/4	144.78	3/4	164.83	3/4	184.87	3/4	204.92	3/4	224.97	3/4	245.01	3/4	265.06	3/4	285.11
3"	5.03	3"	24.90	3"	44.90	3"	65.01	3"	85.06	3"	105.10	3"	125.15	3"	145.20	3"	165.24	3"	185.29	3"	205.34	3"	225.38	3"	245.43	3"	265.48	3"	285.52
1/4	5.45	1/4	25.31	1/4	45.32	1/4	65.43	1/4	85.47	1/4	105.52	1/4	125.57	1/4	145.61	1/4	165.66	1/4	185.71	1/4	205.75	1/4	225.80	1/4	245.85	1/4	265.89	1/4	285.94
1/2	5.87	1/2	25.72	1/2	45.74	1/2	65.85	1/2	85.89	1/2	105.94	1/2	125.99	1/2	146.03	1/2	166.08	1/2	186.13	1/2	206.17	1/2	226.22	1/2	246.27	1/2	266.31	1/2	286.36
3/4	6.29	3/4	26.12	3/4	46.16	3/4	66.26	3/4	86.31	3/4	106.36	3/4	126.40	3/4	146.45	3/4	166.50	3/4	186.54	3/4	206.59	3/4	226.64	3/4	246.68	3/4	266.73	3/4	286.78
4"	6.71	4"	26.53	4"	46.58	4"	66.68	4"	86.73	4"	106.77	4"	126.82	4"	146.87	4"	166.91	4"	186.96	4"	207.01	4"	227.05	4"	247.10	4"	267.15	4"	287.19
1/4	7.13	1/4	26.94	1/4	47.00	1/4	67.10	1/4	87.14	1/4	107.19	1/4	127.24	1/4	147.29	1/4	167.33	1/4	187.38	1/4	207.43	1/4	227.47	1/4	247.52	1/4	267.57	1/4	287.61
1/2	7.55	1/2	27.35	1/2	47.42	1/2	67.52	1/2	87.56	1/2	107.61	1/2	127.66	1/2	147.70	1/2	167.75	1/2	187.80	1/2	207.84	1/2	227.89	1/2	247.94	1/2	267.98	1/2	288.03
3/4	7.97	3/4	27.76	3/4	47.84	3/4	67.93	3/4	87.98	3/4	108.03	3/4	128.07	3/4	148.12	3/4	168.17	3/4	188.21	3/4	208.26	3/4	228.31	3/4	248.35	3/4	268.40	3/4	288.45
5"	8.39	5"	28.17	5"	48.26	5"	68.35	5"	88.40	5"	108.44	5"	128.49	5"	148.54	5"	168.58	5"	188.63	5"	208.68	5"	228.72	5"	248.77	5"	268.82	5"	288.87
1/4	8.81	1/4	28.58	1/4	48.68	1/4	68.77	1/4	88.82	1/4	108.86	1/4	128.91	1/4	148.96	1/4	169.00	1/4	189.05	1/4	209.10	1/4	229.14	1/4	249.19	1/4	269.24	1/4	289.28
1/2	9.23	1/2	28.98	1/2	49.10	1/2	69.19	1/2	89.23	1/2	109.28	1/2	129.33	1/2	149.37	1/2	169.42	1/2	189.47	1/2	209.51	1/2	229.56	1/2	249.61	1/2	269.65	1/2	289.70
3/4	9.64	3/4	29.39	3/4	49.52	3/4	69.60	3/4	89.65	3/4	109.70	3/4	129.74	3/4	149.79	3/4	169.84	3/4	189.88	3/4	209.93	3/4	229.98	3/4	250.02	3/4	270.07	3/4	290.12
6"	10.06	6"	29.80	6"	49.94	6"	70.02	6"	90.07	6"	110.12	6"	130.16	6"	150.21	6"	170.26	6"	190.30	6"	210.35	6"	230.40	6"	250.44	6"	270.49	6"	290.54
1/4	10.48	1/4	30.22	1/4	50.36	1/4	70.44	1/4	90.49	1/4	110.53	1/4	130.58	1/4	150.63	1/4	170.67	1/4	190.72	1/4	210.77	1/4	230.81	1/4	250.86	1/4	270.91	1/4	290.95
1/2	10.90	1/2	30.64	1/2	50.78	1/2	70.86	1/2	90.90	1/2	110.95	1/2	131.00	1/2	151.04	1/2	171.09	1/2	191.14	1/2	211.18	1/2	231.23	1/2	251.28	1/2	271.32	1/2	291.37
3/4	11.32	3/4	31.06	3/4	51.20	3/4	71.27	3/4	91.32	3/4	111.37	3/4	131.41	3/4	151.46	3/4	171.51	3/4	191.55	3/4	211.60	3/4	231.65	3/4	251.70	3/4	271.74	3/4	291.79
●	11.74	7"	31.48	7"	51.62	7"	71.69	7"	91.74	7"	111.79	7"	131.83	7"	151.88	7"	171.93	7"	191.97	7"	212.02	7"	232.07	7"	252.11	7"	272.16	7"	292.21
	12.16	1/4	31.90	1/4	52.03	1/4	72.11	1/4	92.16	1/4	112.20	1/4	132.25	1/4	152.30	1/4	172.34	1/4	192.39	1/4	212.44	1/4	232.48	1/4	252.53	1/4	272.58	1/4	292.62
1/2	12.58	1/2	32.32	1/2	52.45	1/2	72.53	1/2	92.57	1/2	112.62	1/2	132.67	1/2	152.71	1/2	172.76	1/2	192.81	1/2	212.85	1/2	232.90	1/2	252.95	1/2	272.99	1/2	293.04
3/4	13.00	3/4	32.74	3/4	52.87	3/4	72.95	3/4	92.99	3/4	113.04	3/4	133.09	3/4	153.13	3/4	173.18	3/4	193.23	3/4	213.27	3/4	233.32	3/4	253.37	3/4	273.41	3/4	293.46
8"	13.42	8"	33.16	8"	53.29	8"	73.36	8"	93.41	8"	113.46	8"	133.50	8"	153.55	8"	173.60	8"	193.64	8"	213.69	8"	233.74	8"	253.78	8"	273.83	8"	293.88
1/4	13.84	1/4	33.58	1/4	53.71	1/4	73.78	1/4	93.83	1/4	113.87	1/4	133.92	1/4	153.97	1/4	174.01	1/4	194.06	1/4	214.11	1/4	234.15	1/4	254.20	1/4	274.25	1/4	294.29
1/2	14.26	1/2	34.00	1/2	54.13	1/2	74.20	1/2	94.24	1/2	114.29	1/2	134.34	1/2	154.38	1/2	174.43	1/2	194.48	1/2	214.53	1/2	234.57	1/2	254.62	1/2	274.67	1/2	294.71
3/4	14.68	3/4	34.42	3/4	54.55	3/4	74.62	3/4	94.66	3/4	114.71	3/4	134.76	3/4	154.80	3/4	174.85	3/4	194.90	3/4	214.94	3/4	234.99	3/4	255.04	3/4	275.08	3/4	295.13
9"	15.10	9"	34.83	9"	54.97	9"	75.03	9"	95.08	9"	115.13	9"	135.17	9"	155.22	9"	175.27	9"	195.31	9"	215.36	9"	235.41	9"	255.45	9"	275.50	9"	295.55
1/4	15.50	1/4	35.25	1/4	55.39	1/4	75.45	1/4	95.50	1/4																			

2

BARRELS OF 42 GALLONS

ARTHUR F. BROCK
Tank Table Service
Box 262 Tulsa, Okla. 74101

Strapped By

Owner CHEVRON USA PROD. CO., INC.
Farm BRENNAN BOTTOM #10 ML 3068
¼ Sec. NW NE Dist.
Sec. 19 7S 21E
County UINTAH State UTAH

½" INCREMENTS

Ft.	In.	Qt.	
0	9	0	0.00499
1	6	0	0.41908
2	11	0	0.40823
5	0	0	0.41928
15	0	0	0.41740
			0.41764

300.50639

15 Ft.
0" 300.50
1/4
1/2
3/4
1"
1/4
1/2
3/4
2"
1/4
1/2

0 Ft.	1 Ft.	2 Ft.	3 Ft.	4 Ft.	5 Ft.	6 Ft.	7 Ft.	8 Ft.	9 Ft.	10 Ft.	11 Ft.	12 Ft.	13 Ft.	14 Ft.
0" 0.00	0" 19.99	0" 39.85	0" 59.96	0" 80.00	0" 100.03	0" 120.08	0" 140.13	0" 160.17	0" 180.22	0" 200.27	0" 220.31	0" 240.36	0" 260.41	0" 280.45
1/4 0.42	1/4 20.39	1/4 40.27	1/4 60.38	1/4 80.42	1/4 100.45	1/4 120.50	1/4 140.55	1/4 160.59	1/4 180.64	1/4 200.69	1/4 220.73	1/4 240.78	1/4 260.83	1/4 280.87
1/2 0.84	1/2 20.80	1/2 40.68	1/2 60.80	1/2 80.83	1/2 100.87	1/2 120.92	1/2 140.96	1/2 161.01	1/2 181.06	1/2 201.10	1/2 221.15	1/2 241.20	1/2 261.24	1/2 281.29
3/4 1.26	3/4 21.21	3/4 41.10	3/4 61.22	3/4 81.25	3/4 101.29	3/4 121.33	3/4 141.38	3/4 161.43	3/4 181.47	3/4 201.52	3/4 221.57	3/4 241.61	3/4 261.66	3/4 281.71
1" 1.68	1" 21.62	1" 41.52	1" 61.63	1" 81.67	1" 101.70	1" 121.75	1" 141.80	1" 161.84	1" 181.89	1" 201.94	1" 221.99	1" 242.03	1" 262.08	1" 282.13
1/4 2.10	1/4 22.03	1/4 41.94	1/4 62.05	1/4 82.09	1/4 102.12	1/4 122.17	1/4 142.22	1/4 162.26	1/4 182.31	1/4 202.36	1/4 222.40	1/4 242.45	1/4 262.50	1/4 282.54
1/2 2.51	1/2 22.44	1/2 42.36	1/2 62.47	1/2 82.50	1/2 102.54	1/2 122.59	1/2 142.63	1/2 162.68	1/2 182.73	1/2 202.77	1/2 222.82	1/2 242.87	1/2 262.91	1/2 282.96
3/4 2.93	3/4 22.84	3/4 42.78	3/4 62.89	3/4 82.92	3/4 102.96	3/4 123.00	3/4 143.05	3/4 163.10	3/4 183.14	3/4 203.19	3/4 223.24	3/4 243.28	3/4 263.33	3/4 283.38
2" 3.35	2" 23.25	2" 43.20	2" 63.30	2" 83.34	2" 103.38	2" 123.42	2" 143.47	2" 163.52	2" 183.56	2" 203.61	2" 223.66	2" 243.70	2" 263.75	2" 283.80
1/4 3.77	1/4 23.66	1/4 43.62	1/4 63.72	1/4 83.76	1/4 103.79	1/4 123.84	1/4 143.89	1/4 163.93	1/4 183.98	1/4 204.03	1/4 224.07	1/4 244.12	1/4 264.17	1/4 284.21
1/2 4.19	1/2 24.07	1/2 44.04	1/2 64.14	1/2 84.17	1/2 104.21	1/2 124.26	1/2 144.30	1/2 164.35	1/2 184.40	1/2 204.44	1/2 224.49	1/2 244.54	1/2 264.58	1/2 284.63
3/4 4.61	3/4 24.48	3/4 44.46	3/4 64.56	3/4 84.59	3/4 104.63	3/4 124.67	3/4 144.72	3/4 164.77	3/4 184.82	3/4 204.86	3/4 224.91	3/4 244.96	3/4 265.00	3/4 285.05
3" 5.03	3" 24.88	3" 44.88	3" 64.97	3" 85.01	3" 105.05	3" 125.09	3" 145.14	3" 165.19	3" 185.23	3" 205.28	3" 225.33	3" 245.37	3" 265.42	3" 285.47
1/4 5.45	1/4 25.29	1/4 45.30	1/4 65.39	1/4 85.43	1/4 105.46	1/4 125.51	1/4 145.56	1/4 165.60	1/4 185.65	1/4 205.70	1/4 225.74	1/4 245.79	1/4 265.84	1/4 285.88
1/2 5.87	1/2 25.70	1/2 45.72	1/2 65.81	1/2 85.84	1/2 105.88	1/2 125.93	1/2 145.97	1/2 166.02	1/2 186.07	1/2 206.11	1/2 226.16	1/2 246.21	1/2 266.25	1/2 286.30
3/4 6.29	3/4 26.11	3/4 46.14	3/4 66.22	3/4 86.26	3/4 106.30	3/4 126.35	3/4 146.39	3/4 166.44	3/4 186.49	3/4 206.53	3/4 226.58	3/4 246.63	3/4 266.67	3/4 286.72
4" 6.71	4" 26.52	4" 46.55	4" 66.64	4" 86.68	4" 106.72	4" 126.76	4" 146.81	4" 166.86	4" 186.90	4" 206.95	4" 227.00	4" 247.04	4" 267.09	4" 287.14
1/4 7.12	1/4 26.93	1/4 46.97	1/4 67.06	1/4 87.09	1/4 107.13	1/4 127.18	1/4 147.23	1/4 167.27	1/4 187.32	1/4 207.37	1/4 227.41	1/4 247.46	1/4 267.51	1/4 287.55
1/2 7.54	1/2 27.33	1/2 47.39	1/2 67.48	1/2 87.51	1/2 107.55	1/2 127.60	1/2 147.65	1/2 167.69	1/2 187.74	1/2 207.79	1/2 227.83	1/2 247.88	1/2 267.93	1/2 287.97
3/4 7.96	3/4 27.74	3/4 47.81	3/4 67.89	3/4 87.93	3/4 107.97	3/4 128.02	3/4 148.06	3/4 168.11	3/4 188.16	3/4 208.20	3/4 228.25	3/4 248.30	3/4 268.34	3/4 288.39
5" 8.38	5" 28.15	5" 48.23	5" 68.31	5" 88.35	5" 108.39	5" 128.43	5" 148.48	5" 168.53	5" 188.57	5" 208.62	5" 228.67	5" 248.71	5" 268.76	5" 288.81
1/4 8.80	1/4 28.56	1/4 48.65	1/4 68.73	1/4 88.76	1/4 108.80	1/4 128.85	1/4 148.90	1/4 168.94	1/4 188.99	1/4 209.04	1/4 229.08	1/4 249.13	1/4 269.18	1/4 289.23
1/2 9.22	1/2 28.97	1/2 49.07	1/2 69.15	1/2 89.18	1/2 109.22	1/2 129.27	1/2 149.32	1/2 169.36	1/2 189.41	1/2 209.46	1/2 229.50	1/2 249.55	1/2 269.60	1/2 289.64
3/4 9.64	3/4 29.37	3/4 49.49	3/4 69.56	3/4 89.60	3/4 109.64	3/4 129.69	3/4 149.73	3/4 169.78	3/4 189.83	3/4 209.87	3/4 229.92	3/4 249.97	3/4 270.01	3/4 290.06
6" 10.06	6" 29.78	6" 49.91	6" 69.98	6" 90.02	6" 110.06	6" 130.10	6" 150.15	6" 170.20	6" 190.24	6" 210.29	6" 230.34	6" 250.38	6" 270.43	6" 290.48
1/4 10.48	1/4 30.20	1/4 50.33	1/4 70.40	1/4 90.43	1/4 110.48	1/4 130.52	1/4 150.57	1/4 170.62	1/4 190.66	1/4 210.71	1/4 230.76	1/4 250.80	1/4 270.85	1/4 290.90
1/2 10.90	1/2 30.62	1/2 50.75	1/2 70.82	1/2 90.85	1/2 110.89	1/2 130.94	1/2 150.99	1/2 171.03	1/2 191.08	1/2 211.13	1/2 231.17	1/2 251.22	1/2 271.27	1/2 291.31
3/4 11.32	3/4 31.04	3/4 51.17	3/4 71.23	3/4 91.27	3/4 111.31	3/4 131.36	3/4 151.40	3/4 171.45	3/4 191.50	3/4 211.54	3/4 231.59	3/4 251.64	3/4 271.68	3/4 291.73
7" 11.73	7" 31.46	7" 51.59	7" 71.65	7" 91.69	7" 111.73	7" 131.77	7" 151.82	7" 171.87	7" 191.91	7" 211.96	7" 232.01	7" 252.06	7" 272.10	7" 292.15
1/4 12.15	1/4 31.88	1/4 52.00	1/4 72.07	1/4 92.10	1/4 112.15	1/4 132.19	1/4 152.24	1/4 172.29	1/4 192.33	1/4 212.38	1/4 232.43	1/4 252.47	1/4 272.52	1/4 292.57
1/2 12.57	1/2 32.30	1/2 52.42	1/2 72.49	1/2 92.52	1/2 112.56	1/2 132.61	1/2 152.66	1/2 172.70	1/2 192.75	1/2 212.80	1/2 232.84	1/2 252.89	1/2 272.94	1/2 292.98
3/4 12.99	3/4 32.72	3/4 52.84	3/4 72.90	3/4 92.94	3/4 112.98	3/4 133.03	3/4 153.07	3/4 173.12	3/4 193.17	3/4 213.21	3/4 233.26	3/4 253.31	3/4 273.35	3/4 293.40
8" 13.41	8" 33.14	8" 53.26	8" 73.32	8" 93.36	8" 113.40	8" 133.45	8" 153.49	8" 173.54	8" 193.59	8" 213.63	8" 233.68	8" 253.73	8" 273.77	8" 293.82
1/4 13.83	1/4 33.56	1/4 53.68	1/4 73.74	1/4 93.77	1/4 113.82	1/4 133.86	1/4 153.91	1/4 173.96	1/4 194.00	1/4 214.05	1/4 234.10	1/4 254.14	1/4 274.19	1/4 294.24
1/2 14.25	1/2 33.98	1/2 54.10	1/2 74.16	1/2 94.19	1/2 114.23	1/2 134.28	1/2 154.33	1/2 174.37	1/2 194.42	1/2 214.47	1/2 234.51	1/2 254.56	1/2 274.61	1/2 294.65
3/4 14.67	3/4 34.40	3/4 54.52	3/4 74.57	3/4 94.61	3/4 114.65	3/4 134.70	3/4 154.75	3/4 174.79	3/4 194.84	3/4 214.89	3/4 234.93	3/4 254.98	3/4 275.03	3/4 295.07
9" 15.09	9" 34.81	9" 54.94	9" 74.99	9" 95.03	9" 115.07	9" 135.12	9" 155.16	9" 175.21	9" 195.26	9" 215.30	9" 235.35	9" 255.40	9" 275.44	9" 295.49
1/4 15.50	1/4 35.23	1/4 55.36	1/4 75.41	1/4 95.44	1/4 115.49	1/4 135.53	1/4 155.58	1/4 175.63	1/4 195.67	1/4 215.72	1/4 235.77	1/4 255.81	1/4 275.86	1/4 295.91
1/2 15.90	1/2 35.65	1/2 55.78	1/2 75.82	1/2 95.86	1/2 115.90	1/2 135.95	1/2 156.00	1/2 176.04	1/2 196.09	1/2 216.14	1/2 236.18	1/2 256.23	1/2 276.28	1/2 296.32
3/4 16.31	3/4 36.07	3/4 56.20	3/4 76.24	3/4 96.28	3/4 116.32	3/4 136.37	3/4 156.42	3/4 176.46	3/4 196.51	3/4 216.56	3/4 236.60	3/4 256.65	3/4 276.70	3/4 296.74
10" 16.72	10" 36.49	10" 56.62	10" 76.66	10" 96.69	10" 116.74	10" 136.79	10" 156.83	10" 176.88	10" 196.93	10" 216.97	10" 237.02	10" 257.07	10" 277.11	10" 297.16
1/4 17.13	1/4 36.91	1/4 57.04	1/4 77.08	1/4 97.11	1/4 117.16	1/4 137.20	1/4 157.25	1/4 177.30	1/4 197.34	1/4 217.39	1/4 237.44	1/4 257.48	1/4 277.53	1/4 297.58
1/2 17.54	1/2 37.33	1/2 57.46	1/2 77.49	1/2 97.53	1/2 117.58	1/2 137.62	1/2 157.67	1/2 177.72	1/2 197.76	1/2 217.81	1/2 237.86	1/2 257.90	1/2 277.95	1/2 298.00
3/4 17.94	3/4 37.75	3/4 57.87	3/4 77.91	3/4 97.95	3/4 117.99	3/4 138.04	3/4 158.09	3/4 178.13	3/4 198.18	3/4 218.23	3/4 238.27	3/4 258.32	3/4 278.37	3/4 298.41
11" 18.35	11" 38.17	11" 58.29	11" 78.33	11" 98.36	11" 118.41	11" 138.46	11" 158.50	11" 178.55	11" 198.60	11" 218.64	11" 238.69	11" 258.74	11" 278.78	11" 298.83
1/4 18.76	1/4 38.59	1/4 58.71	1/4 78.75	1/4 98.78	1/4 118.83	1/4 138.87	1/4 158.92	1/4 178.97	1/4 199.01	1/4 219.06	1/4 239.11	1/4 259.16	1/4 279.20	1/4 299.25
1/2 19.17	1/2 39.01	1/2 59.13	1/2 79.16	1/2 99.20	1/2 119.25	1/2 139.29	1/2 159.34	1/2 179.39	1/2 199.43	1/2 219.48	1/2 239.53	1/2 259.57	1/2 279.62	1/2 299.67
3/4 19.58	3/4 39.43	3/4 59.55	3/4 79.58	3/4 99.62	3/4 119.66	3/4 139.71	3/4 159.76	3/4 179.80	3/4 199.85	3/4 219.90	3/4 239.94	3/4 259.99	3/4 280.04	3/4 300.08

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well Oil <input type="checkbox"/> Gas <input type="checkbox"/> <input checked="" type="checkbox"/> Well <input type="checkbox"/> Well <input type="checkbox"/> Other <input type="checkbox"/> MULTIPLE WELLS LIST ATTACHED	7. If Unit or CA, Agreement Designation BRENNAN BOTTOM UNIT 14-08-001-556
2. Name of Operator CHEVRON U.S.A. INC.	8. Well Name and No.
3. Address and Telephone No 11002 E. 17500 S. VERNAL, UT 84078-8526 (801) 781-4300	9. API Well No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)	10. Field and Pool, or Exploratory Area BRENNAN BOTTOM-GREEN RIVER
	11. County or Parish, State UINTAH, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other CHANGE OF OPERATOR	<input type="checkbox"/> Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

As of January 1, 2000 Chevron U.S.A. Inc. resigns as Operator of the Brennan Bottoms Unit.
The Unit number is 14-08-001-556 effective June 12, 1953.

The successor operator under the Unit Agreement will be
Shenandoah Energy Inc.
475 17th Street, Suite 1000
Denver, CO 80202

Agreed and accepted to this 29th day of December, 1999

Shenandoah Energy Inc.

By: Mitchell L. Solich
Mitchell L. Solich
President

RECEIVED

DEC 30 1999

DIVISION OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.
Signed A. E. Wacker Title Assistant Secretary Date 12/29/1999

(This space for Federal or State office use)

Approved by: _____ Title _____ Date _____
Conditions of approval, if any _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

RECEIVED

FEB 07 2000

DIVISION OF
OIL, GAS AND MINING

IN REPLY REFER TO
UT-931

February 4, 2000

Shenandoah Energy Inc.
Attn: Rae Cusimano
475 17th Street, Suite 1000
Denver, Colorado 80202

Re: Brennan Bottom Unit
Uintah County, Utah

Gentlemen:

On December 30, 1999, we received an indenture whereby Chevron U.S.A. Inc. resigned as Unit Operator and Shenandoah Energy Inc. was designated as Successor Unit Operator for the Brennan Bottom Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective February 4, 2000. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Brennan Bottom Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0969 will be used to cover all operations within the Brennan Bottom Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

cc: Chevron U.S.A. Inc.

bcc: Field Manager - Vernal (w/enclosure)
Division of Oil, Gas & Mining
Minerals Adjudication Group U-932
File - Brennan Bottom Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

UT931:TAThompson:tt:2/4/00

4. Is the new operator registered in the State of Utah: YES Business Number: 224885

5. If **NO**, the operator was contacted/contacted on: _____

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 02/04/2000

7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A

8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A

9. **Underground Injection Control ("UIC"** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 08/15/2000

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 08/15/2000

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 08/15/2000

3. Bond information entered in RBDMS on: N/A

4. Fee wells attached to bond in RBDMS on: N/A

STATE BOND VERIFICATION:

1. State well(s) covered by Bond No.: 159261960

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond on: 06/05/2000

2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 08/15/2000

FILMING:

1. All attachments to this form have been **MICROFILMED** on: 3-5-01

FILING:

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: _____

COMMENTS:

Well	Lease	API Number	Status	Type	Location for Sundry an
BRENNAN FEDERAL 1	U-065342	43-047-15417	A	OIL	1980' FSL & 660' FEL (NE SE) SECTION 13, T7S, I
BRENNAN FEDERAL 5	SL-071745	43-047-15420	A	INJ	1969' FNL & 1833' FWL (SE NW) SECTION 18, T7S, I
BRENNAN FEDERAL 6	FEE	43-047-30109	A	OIL	835' FNL & 591' FWL (NWNW) SECTION 19, T7S, I
BRENNAN FEDERAL 9	U-071745	43-047-32477	A	OIL	1980' FSL & 1980' FEL (NW SE) SECTION 18, T7S, I
BRENNAN FEDERAL 10	ML-3068	43-047-32771	A	OIL	660' FNL & 1980' FEL (NW NE) SECTION 19, T7S, I
BRENNAN FEDERAL 11	U-071745	43-047-32772	A	INJ	649' FSL & 1886' FWL (SE SW) SECTION 18, T7S, I
BRENNAN FEDERAL 12	U-046	43-047-32779	A	OIL	726' FNL & 2200' FEL (NWNE) SECTION 18, T7S, I
BRENNAN FEDERAL 14	U-046	43-047-32774	A	OIL	744' FNL & 461' FWL (NW NW) SECTION 18, T7S, I

May 28, 2003

Division of Oil, Gas, & Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801


Attention: John Baza/Jim Thompson

Gentlemen:

This will serve as notice that through the internal corporate changes described below, activities formerly conducted in the name of either Shenandoah Operating Company, LLC (SOC) and/or Shenandoah Energy, Inc. (SEI) will hereafter be conducted in the name of QEP Uinta Basin, Inc.: i) the Shenandoah entities were purchased in July, 2001 by Questar Market Resources, Inc., which is a mid-level holding company for the non-utility businesses of Questar Corporation, ii) Shenandoah Operating Company, LLC has now been merged into Shenandoah Energy, Inc. (SEI), iii) Shenandoah Energy, Inc. has now been re-named **QEP Uinta Basin, Inc.** pursuant to a State of Delaware Amended and Restated Certificate of Incorporation, iv) the same employees will continue to be responsible for operations of the former SOC and SEI properties, both in the field and in the office. Accordingly, the change involves only an internal corporate name change and no third party change of operator is involved. Please alter your records to reflect the entity name change. Attached is a spreadsheet listing all wells affected by this change.

Should you have any questions, please call me at 303 - 308-3056.

Yours truly,



Frank Nielsen
Division Landman

Enclosure

RECEIVED

JUN 02 2003

DIV. OF OIL, GAS & MINING

SEI (N235) to QEP (N2460) BRENNAN BOTTOM UNIT

well_name	Sec	T	R	api	Entity	Lease Type	type	stat	
BRENNAN FED 5	18	070S	210E	4304715420	5261	Federal	WI	A	
BRENNAN FED 11	18	070S	210E	4304732772	5261	Federal	WI	A	
BRENNAN FED 1	13	070S	200E	4304715417	5261	Federal	OW	P	
BRENNAN FED 9	18	070S	210E	4304732477	5261	Federal	OW	P	
BRENNAN FED 14	18	070S	210E	4304732774	5261	Federal	OW	P	
BRENNAN FED 12	18	070S	210E	4304732779	5261	Federal	OW	P	
BRENNAN FED 10	19	070S	210E	4304732771	5261	State	OW	P	
BRENNAN FED 6	19	070S	210E	4304730109	5261	Fee	OW	P	



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

IN REPLY REFER TO
UT-922

June 9, 2003

QEP Uinta Basin, Inc.
1050 17th Street, Suite 500
Denver, Colorado 80265

Re: Brennan Bottom Unit
Uintah County, Utah

Gentlemen:

On May 30, 2003, we received an indenture dated February 1, 2003, whereby Shenandoah Energy, Inc. changed its name and QEP Uinta Basin, Inc. was designated as Successor Unit Operator for the Brennan Bottom Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective June 9, 2003. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Brennan Bottom Unit Agreement.

Your nationwide (Eastern States) oil and gas bond No. B000024 will be used to cover all operations within the Brennan Bottom Unit.

It is requested that you notify all interested parties of the name change of unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Vernal (w/enclosure)
SITLA
Division of Oil, Gas & Mining
Minerals Adjudication Group
File – Brennan Bottom Unit (w/enclosure)
Agr. Sec. Chron
Fluid Chron

UT922:TAThompson:tt:6/9/03

6. (R649-9-2) Waste Management Plan has been received on:

IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: 7/21/2003

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 7/21/2003

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 8/28/2003

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 8/28/2003

3. Bond information entered in RBDMS on: n/a

4. Fee wells attached to bond in RBDMS on: n/a

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: 965-003-032

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: ESB000024

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 799446

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 965-003-033

2. The **FORMER** operator has requested a release of liability from their bond on: n/a

The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

bc: JFO,MMS, ES RF, 930 RF, 932.34 RF, E-932: wbf:07 /07/03:440-1536/ QEP Unita Basin
MEU

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

1. DJJ
 2. CDW

Change of Operator (Well Sold)

X - Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

1/1/2007

FROM: (Old Operator):

N2460-QEP Uinta Basin, Inc.
 1050 17th St, Suite 500
 Denver, CO 80265

Phone: 1 (303) 672-6900

TO: (New Operator):

N5085-Questar E&P Company
 1050 17th St, Suite 500
 Denver, CO 80265

Phone: 1 (303) 672-6900

CA No.

Unit:

BRENNAN BOTTOM UNIT

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LISTS				*				

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/19/2007
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/16/2007
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 1/31/2005
- Is the new operator registered in the State of Utah: Business Number: 764611-0143
- (R649-9-2) Waste Management Plan has been received on: IN PLACE
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: n/a
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 4/23/2007 BIA
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 4/23/2007
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: _____
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: _____

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 4/30/2007 and 5/15/2007
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 4/30/2007 and 5/15/2007
- Bond information entered in RBDMS on: 4/30/2007 and 5/15/2007
- Fee/State wells attached to bond in RBDMS on: 4/30/2007 and 5/15/2007
- Injection Projects to new operator in RBDMS on: 4/30/2007 and 5/15/2007
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: ESB000024
- Indian well(s) covered by Bond Number: 799446
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965003033
- The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS: THIS IS A COMPANY NAME CHANGE.

SOME WELL NAMES HAVE BEEN CHANGED AS REQUESTED

BRENNAN BOTTOM UNIT

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
BRENNAN FED 1	BRENNAN 1	NESE	13	070S	200E	4304715417	5261	Federal	OW	P
BRENNAN FED 3	BRENNAN 3	NESE	17	070S	210E	4304715419	10750	Federal	OW	P
BRENNAN FED 5	BRENNAN 5	SENW	18	070S	210E	4304715420	5261	Federal	WI	A
GULF BRENNAN FED 8	BRENNAN 8	SWSE	17	070S	210E	4304731509	5290	Federal	OW	P
BRENNAN FED 9	BRENNAN 9	NWSE	18	070S	210E	4304732477	5261	Federal	OW	P
BRENNAN FED 11	BRENNAN 11	SESW	18	070S	210E	4304732772	5261	Federal	WI	A
BRENNAN 14	BRENNAN 14	NWNW	18	070S	210E	4304732774	5261	Federal	OW	P
BRENNAN FED 12	BRENNAN 12	NWNE	18	070S	210E	4304732779	5261	Federal	OW	S
BBW 11G-20-7-21	BBW 11G-20-7-21	NESW	20	070S	210E	4304736516	15176	Federal	OW	P
BRENNAN FED 6	BRENNAN 6	NWNW	19	070S	210E	4304730109	5261	Fee	OW	P
BRENNAN FED 10	BRENNAN 10	NWNE	19	070S	210E	4304732771	5261	State	OW	P

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☐ OTHER _____

2. NAME OF OPERATOR:
QUESTAR EXPLORATION AND PRODUCTION COMPANY

3. ADDRESS OF OPERATOR:
1050 17th Street Suite 500 City Denver STATE CO ZIP 80265 PHONE NUMBER: (303) 308-3068

4. LOCATION OF WELL

FOOTAGES AT SURFACE: attached

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 1/1/2007	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Operator Name Change
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective January 1, 2007 operator of record, QEP Uinta Basin, Inc., will hereafter be known as QUESTAR EXPLORATION AND PRODUCTION COMPANY. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:

Federal Bond Number: 965002976 (BLM Reference No. ESB000024)

Utah State Bond Number: 965003033

Fee Land Bond Number: 965003033

Current operator of record, QEP UINTA BASIN, INC., hereby resigns as operator of the properties as described on the attached list.

Successor operator of record, QUESTAR EXPLORATION AND PRODUCTION COMPANY, hereby assumes all rights, duties and obligations as operator of the properties as described on the attached list

Jay B. Neese, Executive Vice President, QEP Uinta Basin, Inc.

Jay B. Neese, Executive Vice President
Questar Exploration and Production Company

NAME (PLEASE PRINT) Debra K. Stanberry

TITLE Supervisor, Regulatory Affairs

SIGNATURE

DATE 3/16/2007

(This space for State use only)

RECEIVED

APR 19 2007

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER _____

2. NAME OF OPERATOR:
QUESTAR EXPLORATION AND PRODUCTION COMPANY

3. ADDRESS OF OPERATOR:
1050 17th Street Suite 500 Denver STATE CO ZIP 80265 PHONE NUMBER: (303) 308-3068

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: attached

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:
see attached

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
see attached

7. UNIT or CA AGREEMENT NAME:
see attached

8. WELL NAME and NUMBER:
see attached

9. API NUMBER:
attached

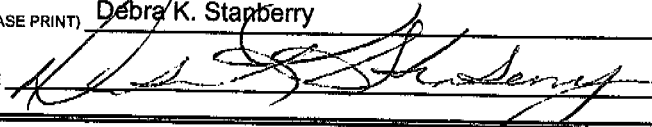
10. FIELD AND POOL, OR WILDCAT:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 1/1/2007	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Well Name Changes
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

PER THE ATTACHED LIST OF WELLS, QUESTAR EXPLORATION AND PRODUCTION COMPANY REQUESTS THAT THE INDIVIDUAL WELL NAMES BE UPDATED IN YOUR RECORDS.

NAME (PLEASE PRINT) Debra K. Stanberry TITLE Supervisor, Regulatory Affairs
SIGNATURE  DATE 4/17/2007

(This space for State use only)

RECEIVED

APR 19 2007

DIV. OF OIL, GAS & MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155



IN REPLY REFER TO
3180
UT-922

April 23, 2007

Questar Exploration and Production Company
1050 17th Street, Suite 500
Denver, Colorado 80265

Re: Brennan Bottom Unit
Uintah County, Utah

Gentlemen:

On April 12, 2007, we received an indenture dated April 6, 2007, whereby QEP Uinta Basin, Inc. resigned as Unit Operator and Questar Exploration and Production Company was designated as Successor Unit Operator for the Brennan Bottom Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective April 23, 2007. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Brennan Bottom Unit Agreement.

Your nationwide oil and gas bond No. ESB000024 will be used to cover all federal operations within the Brennan Bottom Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Greg J. Noble

Greg J. Noble
Acting Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Vernal (w/enclosure)
SITLA
Division of Oil, Gas & Mining
File - Brennan Bottom Unit (w/enclosure)
Agr. Sec. Chron
Reading File
Central Files

UT922:TAThompson:tt:4/23/07

RECEIVED

APR 30 2007

DIV. OF OIL, GAS & MINING

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
 CDW

Change of Operator (Well Sold)

X - Operator Name Change

The operator of the well(s) listed below has changed, effective:

6/14/2010

FROM: (Old Operator):

N5085-Questar Exploration and Production Company
 1050 17th St, Suite 500
 Denver, CO 80265

Phone: 1 (303) 308-3048

TO: (New Operator):

N3700-QEP Energy Company
 1050 17th St, Suite 500
 Denver, CO 80265

Phone: 1 (303) 308-3048

CA No.

Unit:

BRENNAN BOTTOM

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/28/2010
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/28/2010
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/24/2010
- Is the new operator registered in the State of Utah: Business Number: 764611-0143
- (R649-9-2) Waste Management Plan has been received on: Requested
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 8/16/2010 BIA not yet
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 8/16/2010
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/29/2010

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 6/30/2010
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/30/2010
- Bond information entered in RBDMS on: 6/30/2010
- Fee/State wells attached to bond in RBDMS on: 6/30/2010
- Injection Projects to new operator in RBDMS on: 6/30/2010
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: ESB000024
- Indian well(s) covered by Bond Number: 965010693
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965010695
- The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: See attached
2. NAME OF OPERATOR: Questar Exploration and Production Company <i>N5085</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See attached
3. ADDRESS OF OPERATOR: 1050 17th Street, Suite 500 City: Denver STATE: CO ZIP: 80265		7. UNIT or CA AGREEMENT NAME: See attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: See attached		8. WELL NAME and NUMBER: See attached
PHONE NUMBER: (303) 672-6900		9. API NUMBER: Attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		10. FIELD AND POOL, OR WILDCAT: See attached

COUNTY: Attached

STATE: UTAH

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>6/14/2010</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Operator Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 14, 2010 Questar Exploration and Production Company changed its name to QEP Energy Company. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:

Federal Bond Number: 965002976 (BLM Reference No. ESB000024) *N3700*

Utah State Bond Number: ~~965003033~~

Fee Land Bond Number: ~~965003033~~ *965010695*

BIA Bond Number: ~~799446~~ *965010693*

The attached document is an all inclusive list of the wells operated by Questar Exploration and Production Company. As of June 14, 2010 QEP Energy Company assumes all rights, duties and obligations as operator of the properties as described on the list

NAME (PLEASE PRINT) <u>Morgan Anderson</u>	TITLE <u>Regulatory Affairs Analyst</u>
SIGNATURE <i>Morgan Anderson</i>	DATE <u>6/23/2010</u>

(This space for State use only)

RECEIVED

JUN 28 2010

DIV. OF OIL, GAS & MINING

(See Instructions on Reverse Side)

APPROVED *6/30/2009*

Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
 BRENNAN BOTTOM
 effective June 14, 2010

well_name	sec	tpw	rng	api	entity	mineral lease	type
BRENNAN 1	13	070S	200E	4304715417	5261	Federal	OW
BRENNAN 3	17	070S	210E	4304715419	10750	Federal	OW
BRENNAN 6	19	070S	210E	4304730109	5261	Federal	OW
BRENNAN 8	17	070S	210E	4304731509	5290	Federal	OW
BRENNAN 9	18	070S	210E	4304732477	5261	Federal	OW
BRENNAN 10	19	070S	210E	4304732771	5261	State	OW
BRENNAN 14	18	070S	210E	4304732774	5261	Federal	OW
BRENNAN 12	18	070S	210E	4304732779	5261	Federal	OW
BBW 11G-20-7-21	20	070S	210E	4304736516	15176	Federal	OW
BRENNAN 2R	18	070S	210E	4304740125		Federal	OW
BRENNAN 7R	13	070S	200E	4304740197	17632	Federal	OW
BRENNAN 15	13	070S	200E	4304740198	5261	Federal	OW



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov/ut/st/en.html>



IN REPLY REFER TO:
3100
(UT-922)

JUL 28 2010

Memorandum

To: Vernal Field Office, Price Field Office, Moab Field Office
From: Chief, Branch of Minerals *Roger L Bankert*
Subject: Name Change Recognized

Attached is a copy of the Certificate of Name Change issued by the Texas Secretary of State and a decision letter recognizing the name change from the ~~Eastern States~~ Office. We have updated our records to reflect the name change in the attached list of leases.

The name change from **Questar Exploration and Production Company** into **QEP Energy Company** is effective June 8, 2010.

cc: MMS
UDOGM

RECEIVED

AUG 16 2010

DM OF OIL, GAS & MINES

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-3068																														
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: BRENNAN BOTTOM																														
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: BRENNAN 10																														
2. NAME OF OPERATOR: QEP ENERGY COMPANY		9. API NUMBER: 43047327710000																														
3. ADDRESS OF OPERATOR: 11002 East 17500 South, Vernal, Ut, 84078		9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM																														
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FNL 1980 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWN Section: 19 Township: 07.0S Range: 21.0E Meridian: S		COUNTY: UTAH																														
		STATE: UTAH																														
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																																
TYPE OF SUBMISSION <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 9/1/2012 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	TYPE OF ACTION <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> ACIDIZE</td> <td><input type="checkbox"/> ALTER CASING</td> <td><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td><input type="checkbox"/> CHANGE TUBING</td> <td><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td><input type="checkbox"/> CHANGE WELL STATUS</td> <td><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td><input checked="" type="checkbox"/> DEEPEN</td> <td><input type="checkbox"/> FRACTURE TREAT</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> OPERATOR CHANGE</td> <td><input type="checkbox"/> PLUG AND ABANDON</td> <td><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td><input type="checkbox"/> TUBING REPAIR</td> <td><input type="checkbox"/> VENT OR FLARE</td> <td><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td><input type="checkbox"/> WATER SHUTOFF</td> <td><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td><input type="checkbox"/> OTHER</td> <td>OTHER: </td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	<input checked="" type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER:
<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR																														
<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME																														
<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE																														
<input checked="" type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION																														
<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK																														
<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION																														
<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON																														
<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL																														
<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION																														
<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: 																														
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <p>QEP ENERGY COMPANY REQUESTS TO DEEPEN THE ABOVE MENTIONED WELL AND DRILL A HORIZONTAL OIL WELL WITHIN THE G1 LIME MEMBER OF THE GREEN RIVER FORMATION. NO ADDITIONAL SURFACE DISTURBANCE WILL BE REQUIRED FOR THIS ACTION. A RESERVE PIT WILL BE CONSTRUCTED STAYING WITHIN THE BOUNDARIES OF THE EXISTING DISTURBANCE. BOTTOM HOLE FOOTAGES ARE: 2500' FNL, 1250' FWL, SWNW, SEC. 19, T7S, R21E, 9,368' MD. PLEASE REFER TO ATTACHED DOCUMENTS. QEP ENERGY COMPANY REQUESTS THIS WELL BE FILED AS CONFIDENTIAL.</p> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <div style="width: 40%;"> <p><i>BH</i> 618889X 40.197170 44505774 -109.603196</p> </div> <div style="width: 50%; text-align: right;"> <p>Approved by the Utah Division of Oil, Gas and Mining</p> <p>Date: <u>05-17-12</u> By: <u>[Signature]</u></p> </div> </div>																																
NAME (PLEASE PRINT) Valyn Davis		PHONE NUMBER 435 781-4369																														
SIGNATURE N/A		TITLE Regulatory Affairs Analyst																														
		DATE 4/23/2012																														

T7S, R21E, S.L.B.&M.**QUESTAR EXPLR. & PROD.**

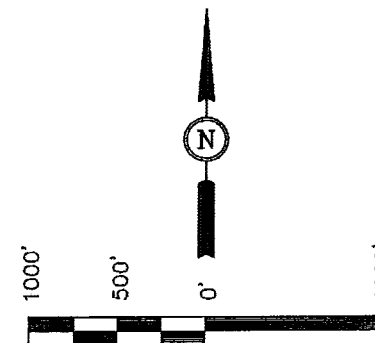
Well location, BRENNAN #10, located as shown in the NW 1/4 NE 1/4 of Section 19, T7S, R21E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK 38EAM LOCATED IN THE SW 1/4 SW 1/4 OF SECTION 9, T7S, R20E, S.L.B.&M. TAKEN FROM THE PELICAN LAKE, QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4942 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

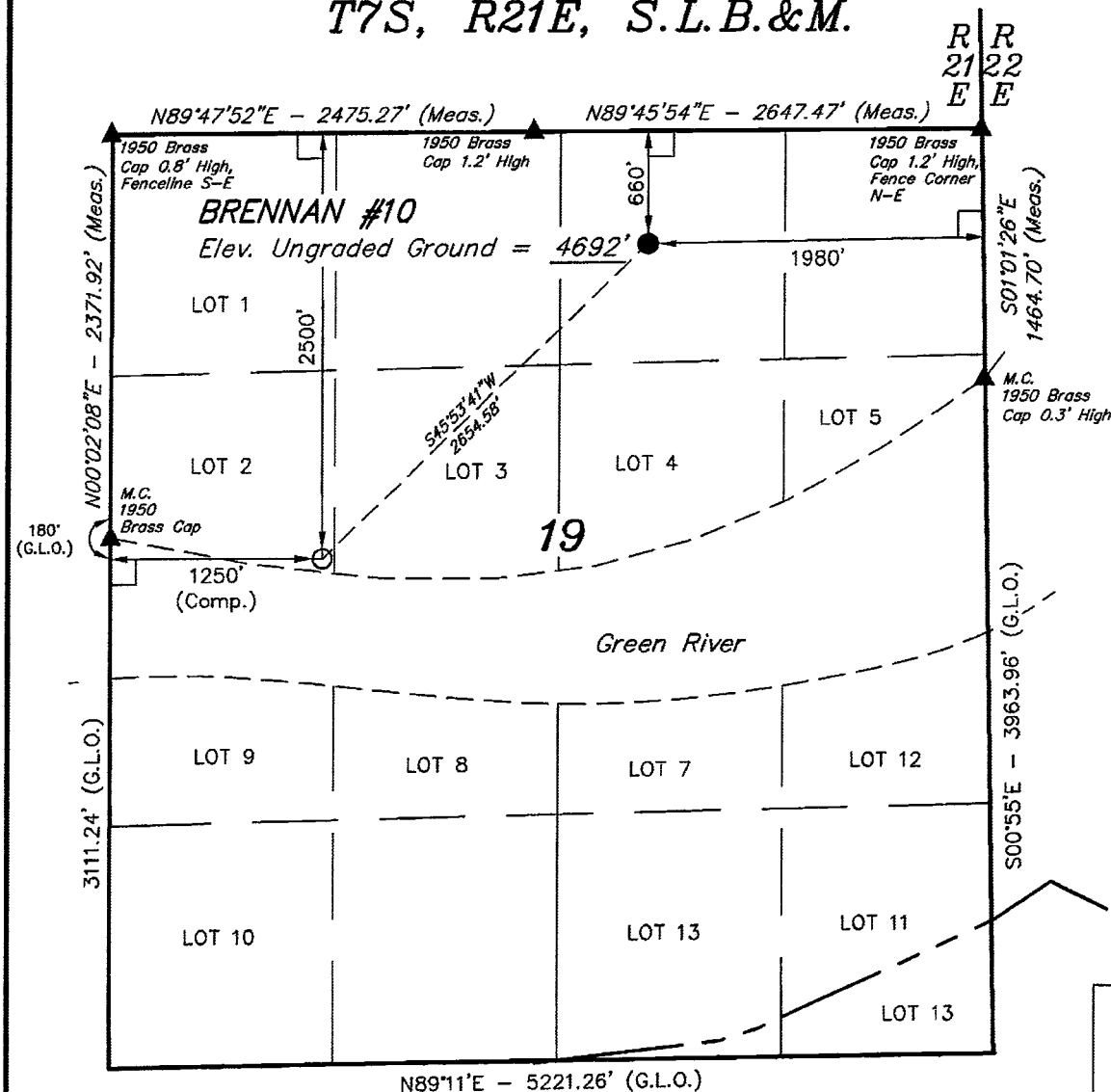
**SCALE
CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REVISED: 03-27-12 C.A.G.

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

**LEGEND:**

- = 90° SYMBOL
 ● = PROPOSED WELL HEAD.
 ▲ = SECTION CORNERS LOCATED.

AUTONOMOUS NAD 83 (TARGET BOTTOM HOLE)	AUTONOMOUS NAD 83 (SURFACE LOCATION)
LATITUDE = 40°11'49.68" (40.197133)	LATITUDE = 40°12'07.92" (40.202200)
LONGITUDE = 109°36'11.40" (109.603167)	LONGITUDE = 109°35'46.82" (109.596339)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°11'49.81" (40.197169)	LATITUDE = 40°12'08.05" (40.202236)
LONGITUDE = 109°36'08.91" (109.602475)	LONGITUDE = 109°35'44.33" (109.595647)

SCALE 1" = 1000'	DATE SURVEYED: 06-20-07	DATE DRAWN: 06-26-07
PARTY D.A. T.A. L.K.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE QUESTAR EXPLR. & PROD.	

QEP ENERGY

Brennan 10

API: 43-047-32771

Summarized Re-Entry Procedure

1. Rig down pumping unit, clear location of all unnecessary equipment.
2. MIRU pulling unit.
3. ND tubing head, NU BOP's (3M).
4. Pull out of hole with rods and pump.
5. Unseat tubing anchor and POOH with tubing, TAC, PSN, and pup joints.
6. PU bit and 5 1/2" casing scraper, RIH to PBTD.
7. Roll hole with KCl or NaCl water, TOO H with bit and scraper.
8. RU wire line truck and RIH with CIBP and set above collar closest to 6,518'.
9. ND BOP's
10. RD pulling unit, move off location.
11. MIRU drilling rig.
12. NU rig's 3,000 WP rated BOP.
13. RIH with whipstock, orient and set whipstock on top of CIBP
14. Shear setting pins and start milling operations, mill window in 5 1/2" casing. Work mills in and out of window several times.
15. TOO H, PU directional BHA and gyro tool, TIH.
16. Gyro steer the well until the MWD tools have cleared the casing and are providing accurate readings.
17. Pull gyro tool and continue to drill with MWD to land in the HP Lime formation.
18. Drill ~2,300' of lateral in the HP Lime with a 0.8° apparent up dip angle.
 - a. Mud system to be water based mud, weights are expected to be in the 8.8 – 10.0 ppg range.
19. Circulate and condition hole, TOO H.
 - a. PU 3 1/2" flush joint liner and run through the lateral and curve.
 - b. RIH w/ liner and liner drop off tool, leave liner approximately 100' above top of window.
 - c. TOO H laying down remainder of the drill pipe.
20. RIH and set CBP @ +/- 6,000' to isolate lateral.
21. ND BOP's.
22. RDMOL.

QEP ENERGY COMPANY

Brennan 10

SHL: 660' FNL & 1,980' FEL Section 19 T7S R21E

BHL: 2,500' FNL & 1,250' FWL Section 19 T7S R21E

Uintah County, Utah

DRILLING PROGRAM

ONSHORE OIL & GAS ORDER NO. 1

Approval of Operations on Onshore

Federal Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil & Gas No. 1, and the approved plan of operations. The operator is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. **Formation Tops**

The estimated tops of important geologic markers are as follows:

<u>Formation</u>	<u>Depth, TVD</u>	<u>Depth, MD</u>
Green River	3,382'	3,382'
Kick Off Point	6,509'	6,509'
G1 Lime Top	6,532'	6,532'
G1 Lime Base	6,538	6,538'
H4A Lime Top	6,865'	7,038'
TD	6,835'	9,368'

2. **Anticipated Depths of Oil, Gas, Water, and Other Mineral Bearing Zones**

The estimated depths at which the top and bottom of the anticipated water, oil, gas, or other mineral bearing formations are expected to be encountered as follows:

<u>Substance</u>	<u>Formation</u>	<u>Depth, TVD</u>	<u>Depth, MD</u>
Oil/Gas	Green River (G1 Lime)	6,532' – 6,538'	6,532' – 9,368'

All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If flows are detected, samples will be submitted to the BLM along with any water analyses conducted. Fresh water will be obtained from Wonsits Valley water right #49-251 (which was filed on May 7, 1964) or Red Wash water right # 49-2153 (which was filed on March 25, 1960). It was determined by the Fish and Wildlife Service

QEP ENERGY COMPANY

Brennan 10

SHL: 660' FNL & 1,980' FEL Section 19 T7S R21E

BHL: 2,500' FNL & 1,250' FWL Section 19 T7S R21E

Uintah County, Utah

that any water right number filed before 1989 is not depleting to the Upper Colorado River System, to supply fresh water for drilling purposes. All water resulting from drilling operations will be disposed of at LaPoint Recycling and Storage in Section 12, T5S R19E of Uintah County, UT or Red Wash Disposal site; SESE, Section 28, T7S, R23E or West End Disposal Site; NESE, Section 28, T7S, R22E.

3. Operator's Specification for Pressure Control Equipment

- A. 3,000 psi double gate, 3,000 psi annular (schematic attached)
- B. Function test daily.
- C. All casing strings shall be pressure tested (0.22 psi/ft or 1,500 psi, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield of the casing.
- D. Ram type preventers and associated equipment shall be tested to rated working pressure if isolated by a test plug or to 50% of the internal yield pressure of casing, whichever is less. BOP and related equipment shall meet the minimum requirements of Onshore Oil & Gas Order No. 2 for equipment and testing requirements, procedures, etc..., for a 3M system and individual components shall be operable as designed.

4. Casing Program

As this well is a re-entry of an existing well the surface and production casing strings are already in place as detailed below.

Hole Size	Casing Size	Depth, MD	Weight	Grade	Condition	MW
12 1/4"	8 5/8"	665'	24	K-55	Existing	N/A
7 7/8"	5 1/2"	7,060'	17.0	L-80	Existing	N/A

The lateral portion of this wellbore will be cased.

Hole Size	Casing Size	Top, MD	Bottom, MD	Weight	Grade	Condition	MW
4 3/4"	3 1/2" flush	6,400'	9,368'	9.2	P-110	New	8.8-10ppg

This liner will be placed on bottom and not cemented. The liner will have a pre-perforated joints placed every 3rd joint in the lateral. Please refer to the attached wellbore diagram and re-entry procedure for further details.

QEP ENERGY COMPANY

Brennan 10

SHL: 660' FNL & 1,980' FEL Section 19 T7S R21E

BHL: 2,500' FNL & 1,250' FWL Section 19 T7S R21E

Uintah County, Utah

5. Auxilliary Equipment

- A. Kelly Cock – Yes
- B. Float at the bit – No
- C. Monitoring equipment on the mud system – visually and/or PVT or Flow Show
- D. Fully opening safety valve on the rig floor – Yes
- E. Rotating Head – Yes

If drilling with air the following will be used:

- F. The blooie line shall be at least 6" in diameter and extend at least 100' from the wellbore into the reserve/blooie pit.
- G. Blooie line ignition shall be provided by a continuous pilot (ignited when drilling below 500')
- H. Compressor shall be tied directly to the blooie line through a manifold
- I. A mister with a continuous stream of water shall be installed near the end of the blooie lines for dust suppression.

Drilling of the lateral will be done with fresh water KCl based mud systems consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash, polymers, and KCl. No chromates will be used. It is not intended to use oil in the mud, however, in the event it is used the concentration will be less than 4% by volume. Maximum anticipated mud weight is 9.8 ppg.

No minimum quantity of weight material will be required to be kept on location.

PVT/Flow show will be used upon exit of existing production casing to TD.

Gas detector will be used upon exit of existing production casing to TD.

QEP ENERGY COMPANY

Brennan 10

SHL: 660' FNL & 1,980' FEL Section 19 T7S R21E

BHL: 2,500' FNL & 1,250' FWL Section 19 T7S R21E

Uintah County, Utah

6. **Testing, Logging, and Coring Program**

- A. Cores – None Anticipated
- B. DST – None Anticipated
- C. Logging:
 - i. Mud logging from casing exit to TD
 - ii. MWD-GR will be utilized during drilling operations to aid in landing the curve and maintaining the lateral within the desired zone.
- D. Formation and completion interval: G1 Lime interval, final determination of completion will be made by analysis of mud logging data. Stimulation: stimulation will be designed for the particular area of interest encountered.

7. **Cementing Program**

As this is a re-entry well and the newly drilled lateral will be cased off with a liner dropped in the open hole there will be no cement required to drill this well. Please refer to the attached wellbore diagram for existing casing and cement conditions.

8. **Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards**

No abnormal temperatures or pressures are anticipated. No H₂S has been encountered or is known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom-hole pressure equals approximately 3,400 psi. Maximum anticipated bottom hole temperature is approximately 150°F.

QEP ENERGY COMPANY

Brennan 10

SHL: 660' FNL & 1,980' FEL Section 19 T7S R21E

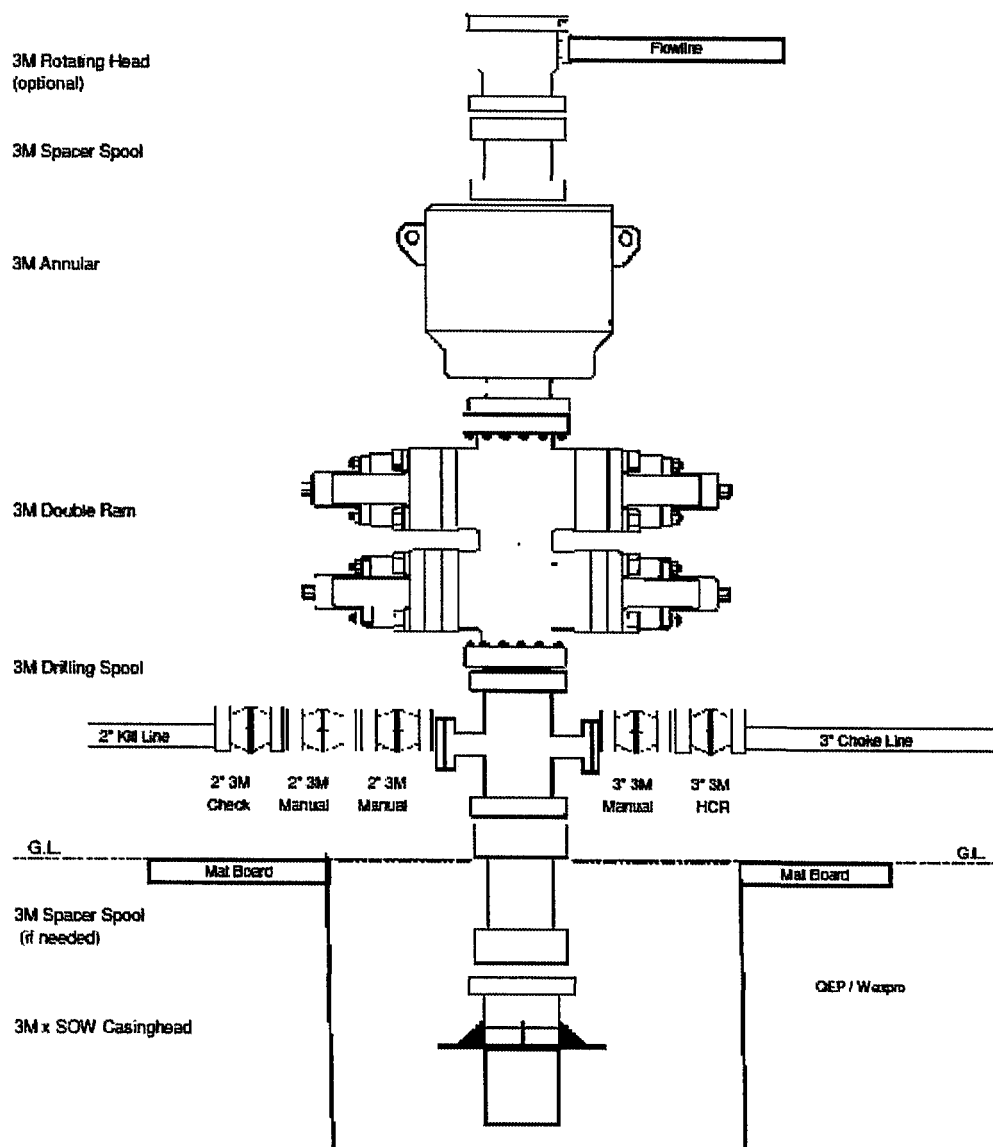
BHL: 2,500' FNL & 1,250' FWL Section 19 T7S R21E

Uintah County, Utah

QUESTAR / WEXPRO

3M BOP x 3M Annular

Minimum Requirements



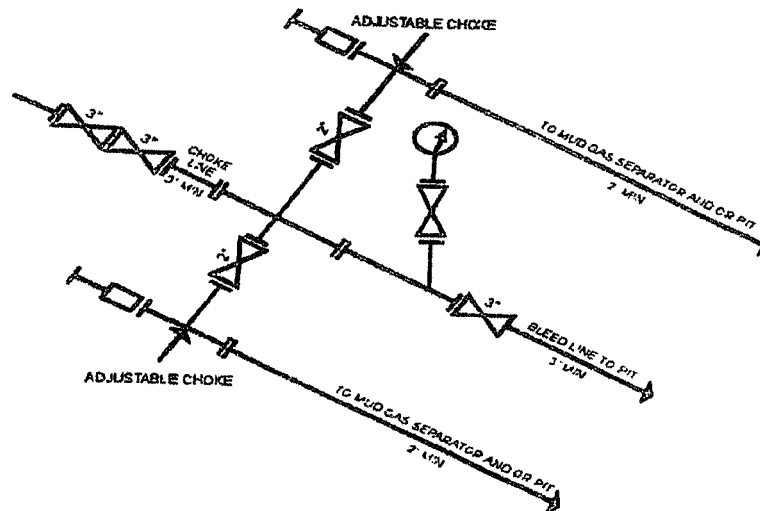
QEP ENERGY COMPANY

Brennan 10

SHL: 660' FNL & 1,980' FEL Section 19 T7S R21E

BHL: 2,500' FNL & 1,250' FWL Section 19 T7S R21E

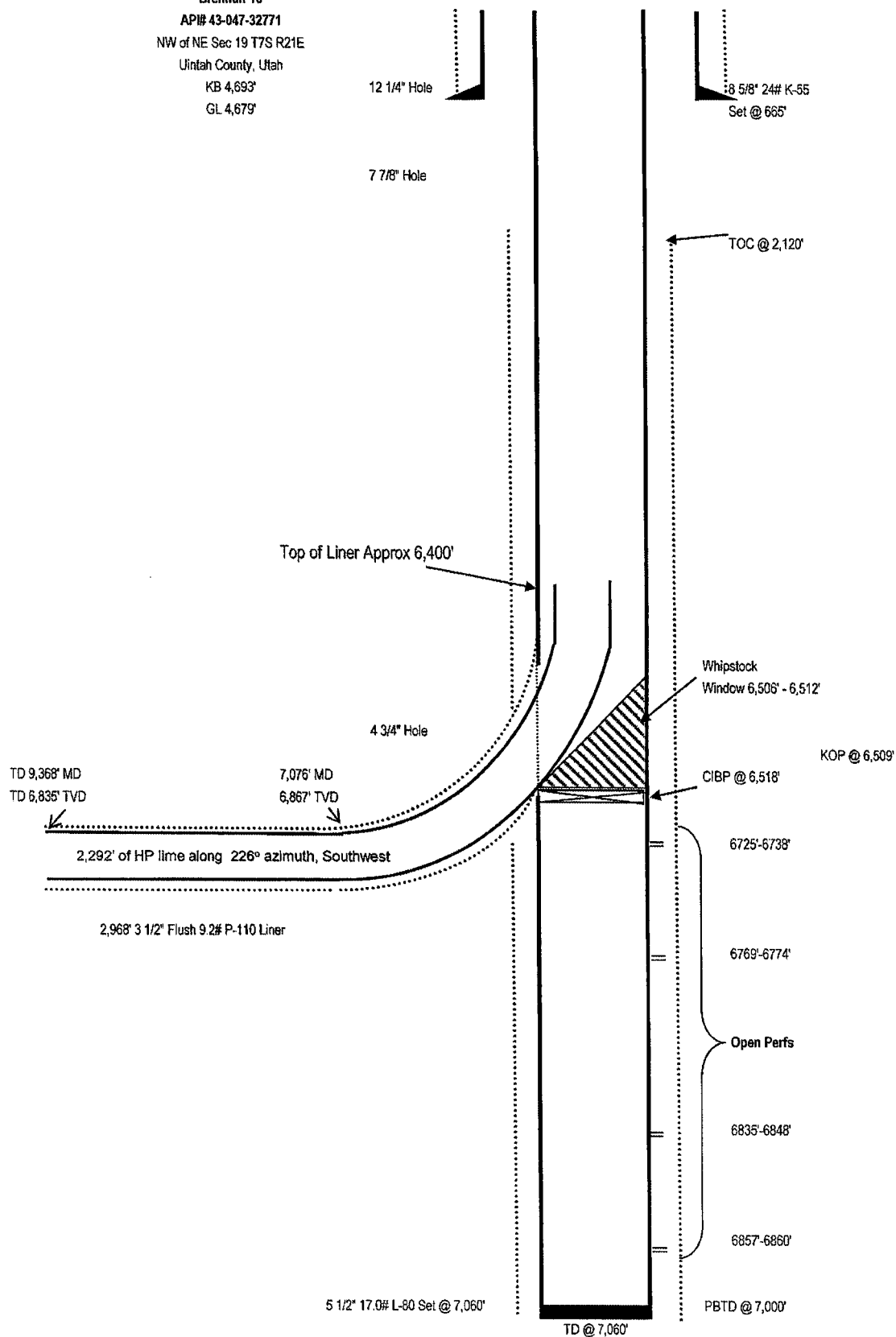
Uintah County, Utah



3M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY
[54 FR 39528, Sept. 27, 1989]

Updated CRA 4-19-12

Brennan 10
API# 43-047-32771
NW of NE Sec 19 T7S R21E
Uintah County, Utah
KB 4,693'
GL 4,679'



QUESTAR EXPLR. & PROD. BRENNAN #10

LOCATED IN UINTAH COUNTY, UTAH
SECTION 19, T7S, R21E, S.L.B.&M.

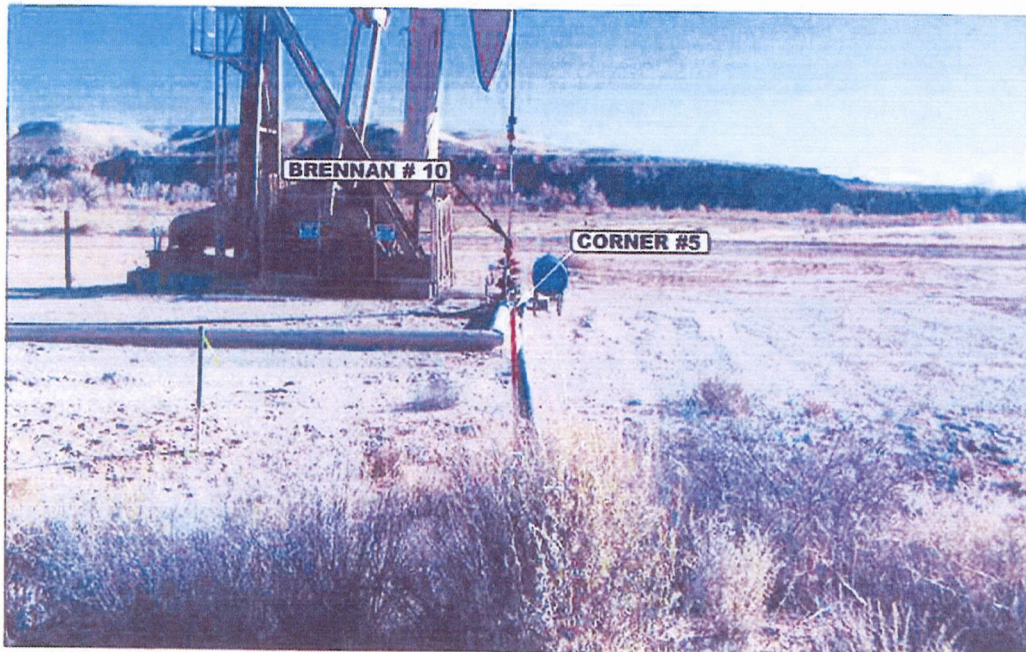


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY



PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: SOUTHWESTERLY



U E L S Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

TAKEN BY: D.A. DRAWN BY: Z.L. REVISED: 00-00-00

11 08 07
MONTH DAY YEAR

PHOTO

QUESTAR EXPLR. & PROD.

FIGURE #2

TYPICAL CROSS SECTIONS FOR

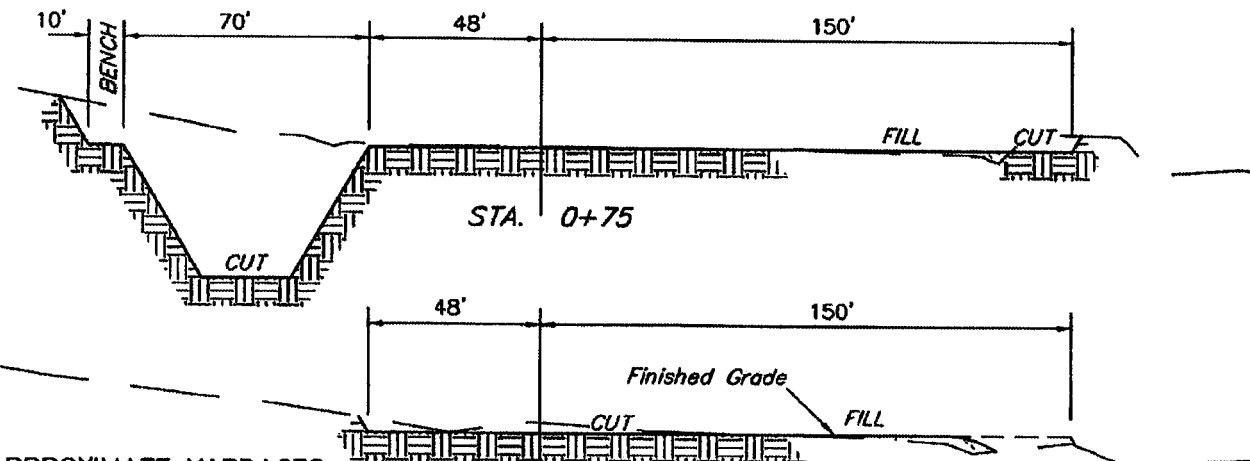
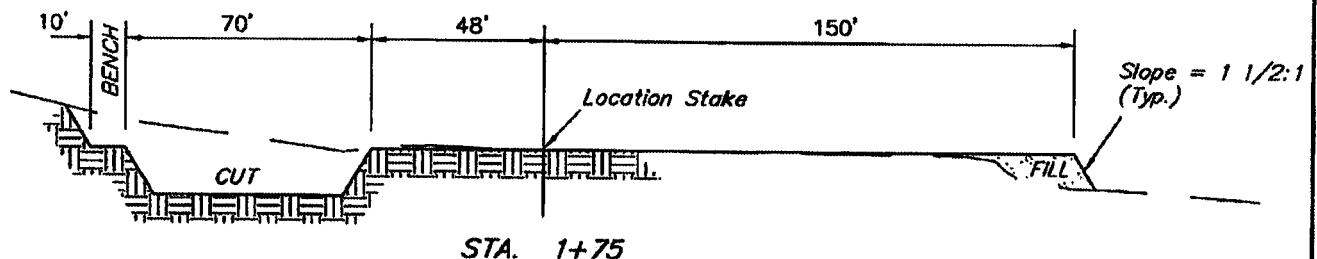
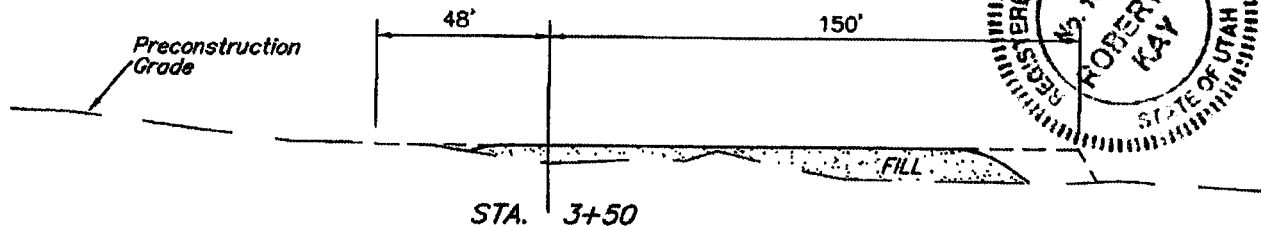
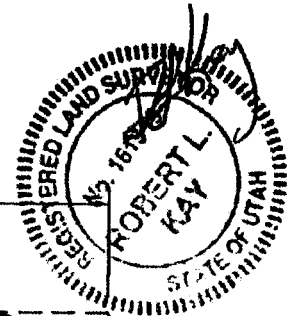
BRENNAN #10

SECTION 19, T7S, R21E, S.L.B.&M.

660' FNL 1980' FEL

1" = 20'
X-Section
Scale
1" = 50'

DATE: 11-13-07
Drawn By: L.K.



APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 540 Cu. Yds.
(New Construction Only)	
Remaining Location	= 4,330 Cu. Yds.
TOTAL CUT	= 4,870 CU.YDS.
FILL	= 2,110 CU.YDS.
Excess Material	= 2,760 Cu. Yds.
Topsoil & Pit Backfill	= 2,150 Cu. Yds.
(1/2 Pit Vol.)	
EXCESS UNBALANCE	= 610 Cu. Yds.
(After Interim Rehabilitation)	

* NOTE:
FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ±1.991 ACRES

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

QUESTAR EXPLR. & PROD.

INTERIM RECLAMATION PLAN FOR

BRENNAN #10

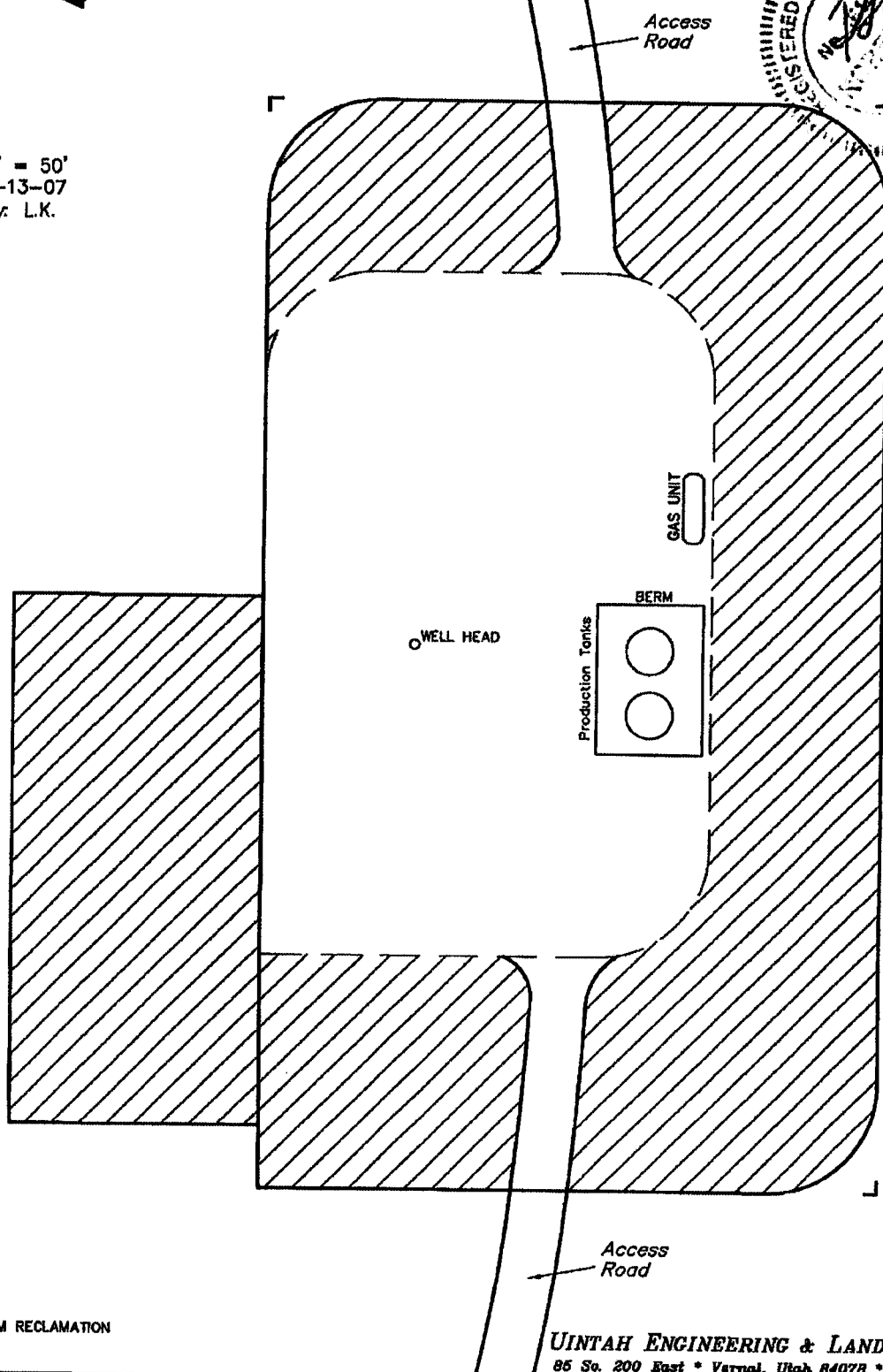
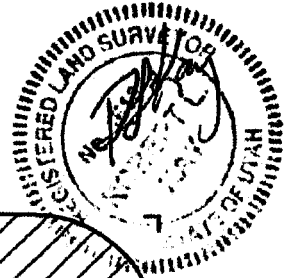
SECTION 19, T7S, R21E, S.L.B.&M.

660' FNL 1980' FEL

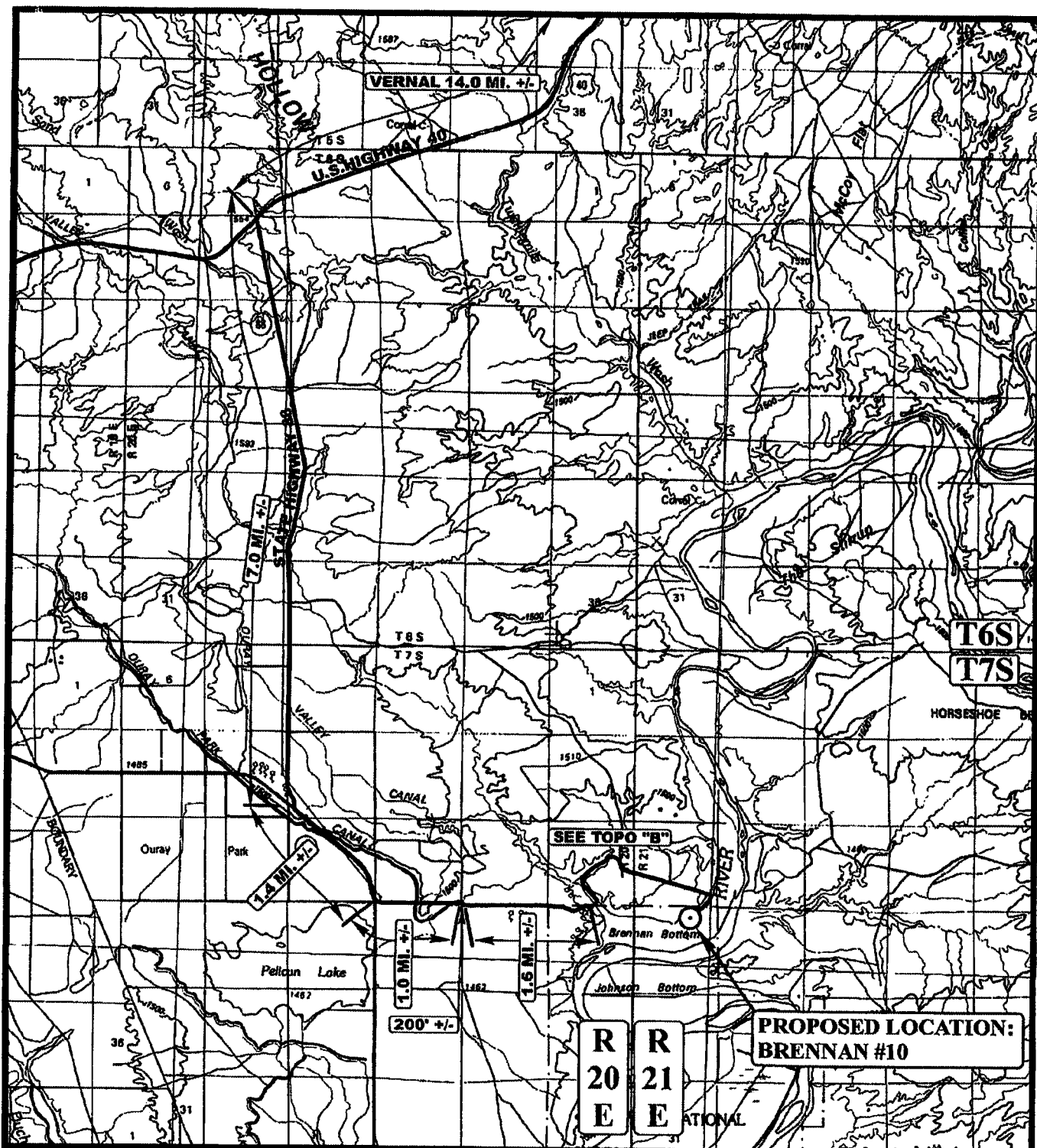
FIGURE #3



SCALE: 1" = 50'
DATE: 11-13-07
Drawn By: L.K.



UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017



LEGEND:

⊙ PROPOSED LOCATION



QUESTAR EXPLR. & PROD.

BRENNAN #10
SECTION 19, T7S, R21E, S.L.B.&M.
660' FNL 1980' FEL



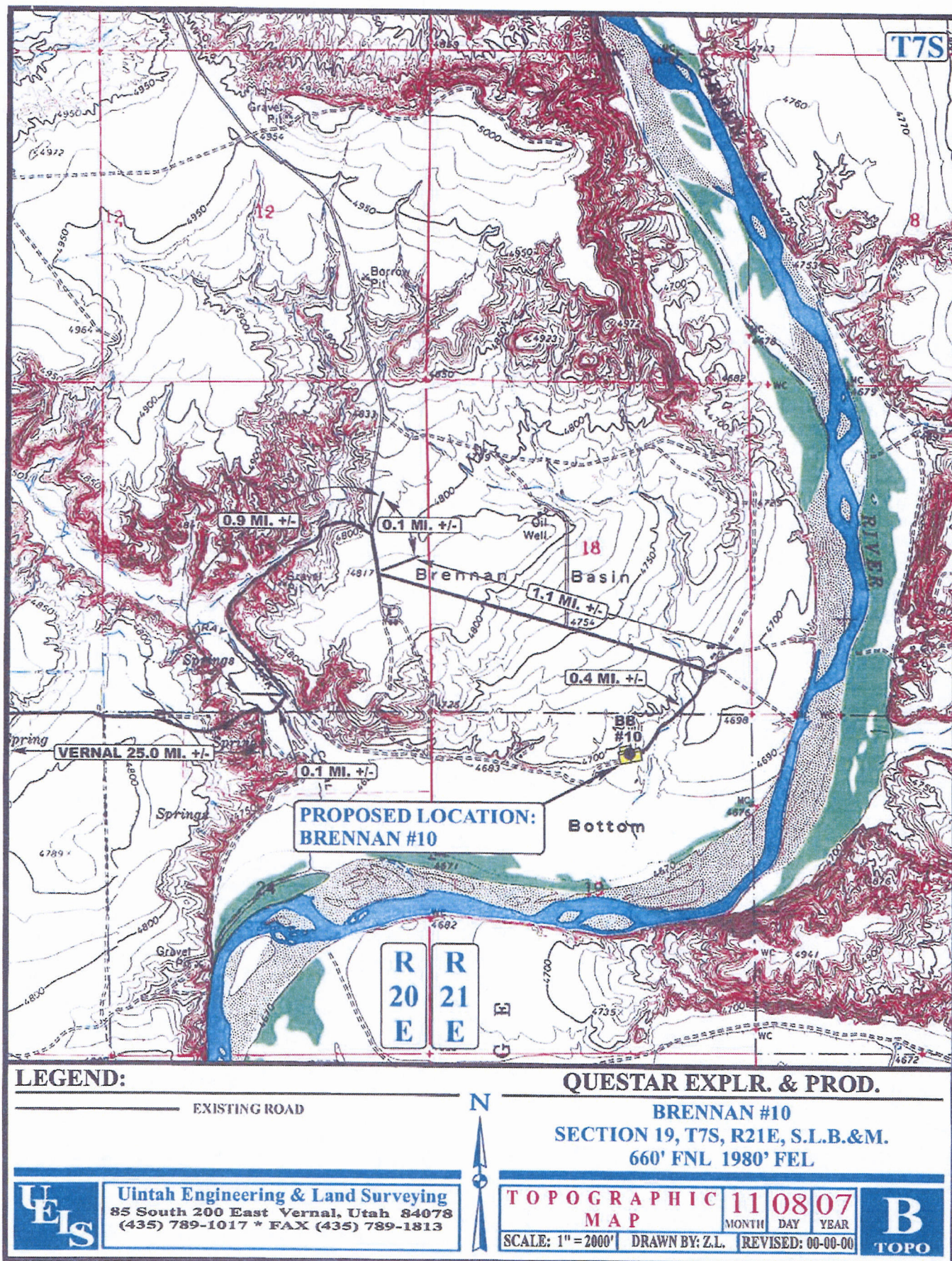
Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

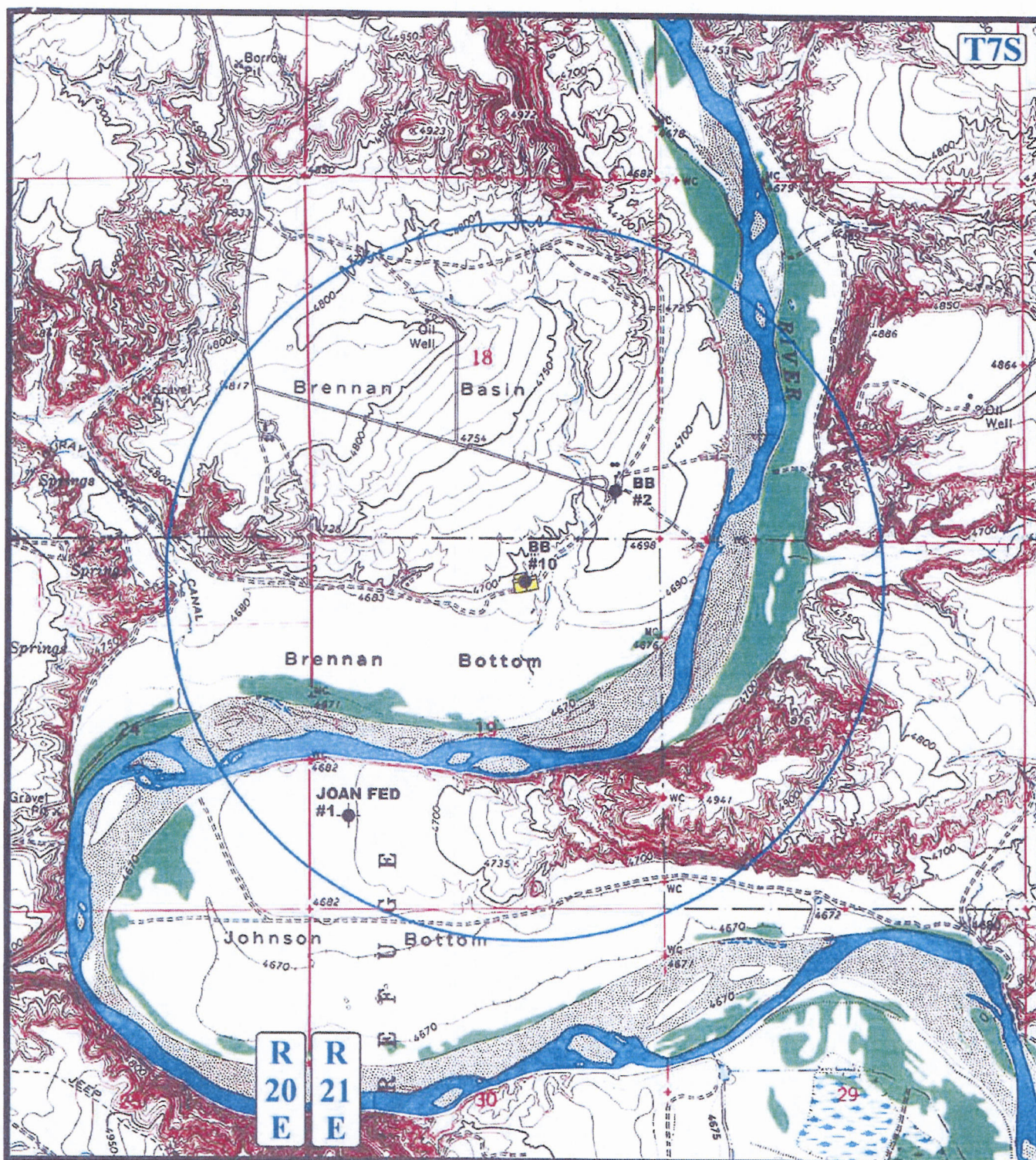
**TOPOGRAPHIC
MAP**

11	08	07
MONTH	DAY	YEAR

SCALE: 1:100,000 DRAWN BY: Z.L. REVISED: 00-00-00







LEGEND:

- | | |
|-------------------|-------------------------|
| ○ DISPOSAL WELLS | ○ WATER WELLS |
| ● PRODUCING WELLS | ● ABANDONED WELLS |
| ● SHUT IN WELLS | ● TEMPORARILY ABANDONED |

QUESTAR EXPLR. & PROD.

BRENNAN #10
SECTION 19, T7S, R21E, S.L.B.&M.
660' FNL 1980' FEL



Utah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813



TOPOGRAPHIC MAP **11 08 07**
 MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: Z.L. REVISED: 08-14-07



WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/23/2012

API NO. ASSIGNED: 43-047-32771

WELL NAME: BRENNAN 10

OPERATOR: QEP ENERGY COMPANY (N3700)

PHONE NUMBER: 435-781-4369

CONTACT: VALYN DAVIS

PROPOSED LOCATION:

NWNE 19 070S 210E

SURFACE: 0660 FNL 1980 FEL

BOTTOM: 2500 FNL 1250 FWL

COUNTY: Uintah

LATITUDE: 40.20225 LONGITUDE: -109.59635

UTM SURF EASTINGS: 619463 NORTHINGS: 4451150

FIELD NAME: BRENNAN BOTTOM (560)

INSPECT LOCATN BY: / /

Tech Review

Initials

Date

Engineering

Geology

Surface

LEASE TYPE: 3 - State

LEASE NUMBER: ML-3068

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat

☒ Bond: Fed[] Ind[] Sta[] Fee[]
(No. 965010695)

☒ Potash (Y/N)

☒ Oil Shale 190-5 (B) or 190-3 or 190-13

☒ Water Permit
(No. 49-2153)

☒ RDCC Review (Y/N)
(Date:)

☒ Fee Surf Agreement (Y/N)

☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

☒ R649-2-3.

Unit: BRENNAN BOTTOM

☐ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

☐ R649-3-3. Exception

☐ Drilling Unit

Board Cause No:

Eff Date:

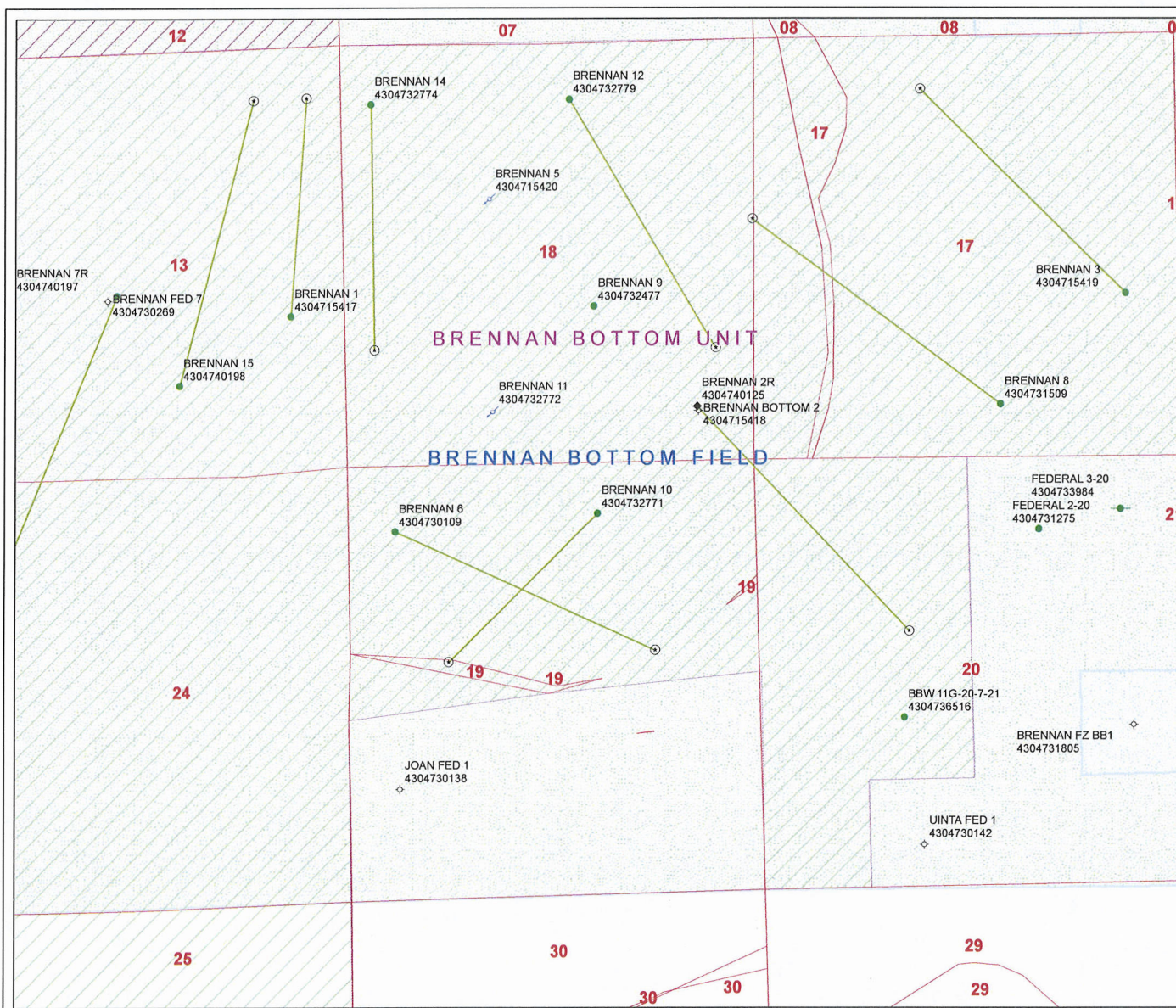
Siting:

☐ R649-3-11. Directional Drill

COMMENTS:

STIPULATIONS:

1. Federal Approval
2. Spacing 571'



API Number: 4304732771

Well Name: BRENNAN 10

Township T0.7 . Range R2.1 . Section 19

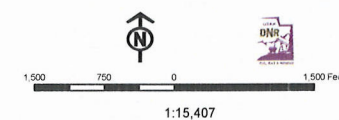
Meridian: SLBM

Operator: QEP ENERGY COMPANY

Map Prepared:

Map Produced by Diana Mason

Units	Wells Query
STATUS	
ACTIVE	APD - Abandoned Permit
EXPLORATORY	DRIL - Spudded (Drilling Commenced)
GAS STORAGE	GIW - Gas Injection
NF PP OIL	GS - Gas Storage
NF SECONDARY	LA - Location Abandoned
PP OIL	LOC - New Location
PP GAS	OPS - Operation Suspended
PP GEOTHERM.	PA - Plugged Abandoned
PP OIL	POW - Producing Gas Well
SECONDARY	POW - Producing Gas Well
TERMINATED	RET - Retired APD
	SCW - Shut-in Gas Well
Fields	
Unknown	SCW - Shut-in Oil Well
ABANDONED	TA - Temp. Abandoned
ACTIVE	TW - Test Well
COMBINED	WDW - Water Disposal
INACTIVE	WW - Water Injection Well
STORAGE	
TERMINATED	WDW - Water Supply Well



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

April 27, 2012

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2012 Plan of Development Brennan Bottom Unit,
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well will be re-entered and completed horizontally in calendar year 2012 within the Brennan Bottom Unit, Uintah County, Utah

API #	WELL NAME	LOCATION
-------	-----------	----------

(Proposed PZ Green River)

43-047-32771	Brennan 10 Sec 19 T07S R21E 0660 FNL 1980 FEL
	LAT #1 Sec 19 T07S R21E 2500 FNL 1250 FWL

This office has no objection to permitting the well at this time.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management,
ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2012.04.27 11:25:06 -0600

bcc: File - Brennan Bottom
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:4-27-12



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

May 17, 2012

QEP Energy Company
11002 E 17500 S
Vernal, UT 84078

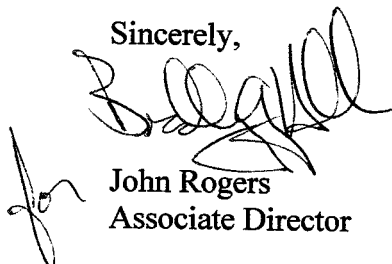
Subject: Brennan 10 Well, Surface Location 660' FNL, 1980' FEL, NW NE, Sec. 19, T. 7 South, R. 21 East, Bottom Location 2500' FNL, 1250' FWL, SW NW, Sec. 19, T. 7 South, R. 21 East, Uintah County, Utah

Ladies and Gentlemen:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-2-3. The expected producing formation or pool is the G1 Lime member of the Green River Formation, completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-32771.

Sincerely,



John Rogers
Associate Director

JR/js
Enclosures

cc: Uintah County Assessor
SITLA
BLM-Vernal



- Carol Daniels (801) 538-5284 office
- Dustin Doucet (801) 538-5281 office
- (801) 733-0983 after office hours
- Dan Jarvis at: (801) 538-5338 office
- (801) 231-8956 after office hours

3. **Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

6. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-3068
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: QEP ENERGY COMPANY		7. UNIT or CA AGREEMENT NAME: BRENNAN BOTTOM
3. ADDRESS OF OPERATOR: 11002 East 17500 South, Vernal, Ut, 84078		8. WELL NAME and NUMBER: BRENNAN 10
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FNL 1980 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 19 Township: 07.0S Range: 21.0E Meridian: S		9. API NUMBER: 43047327710000
9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM		COUNTY: UINTAH
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 9/28/2012	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

DRILLING OF THIS WELL COMMENCED ON SEPTEMBER 28, 2012.

**Accepted by the
Utah Division of
Oil, Gas and Mining**

FOR RECORD ONLY

October 02, 2012

NAME (PLEASE PRINT) Valyn Davis	PHONE NUMBER 435 781-4369	TITLE Regulatory Affairs Analyst
SIGNATURE N/A	DATE 10/1/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-3068
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: QEP ENERGY COMPANY		7. UNIT or CA AGREEMENT NAME: BRENNAN BOTTOM
3. ADDRESS OF OPERATOR: 11002 East 17500 South, Vernal, Ut, 84078		8. WELL NAME and NUMBER: BRENNAN 10
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FNL 1980 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 19 Township: 07.0S Range: 21.0E Meridian: S		9. API NUMBER: 43047327710000
9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM		COUNTY: UINTAH
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	OTHER: <input style="width: 100px;" type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/8/2012	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME		
<input type="checkbox"/> SPUD REPORT Date of Spud:				
<input type="checkbox"/> DRILLING REPORT Report Date:				

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THIS WELL COMMENCED PRODUCTION ON NOVEMBER 8, 2012 @ 3:00 p.m.

**Accepted by the
Utah Division of
Oil, Gas and Mining**

FOR RECORD ONLY

November 13, 2012

NAME (PLEASE PRINT) Valyn Davis	PHONE NUMBER 435 781-4369	TITLE Regulatory Affairs Analyst
SIGNATURE N/A	DATE 11/12/2012	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

AMENDED REPORT FORM 8
(highlight changes)
5. LEASE DESIGNATION AND SERIAL NUMBER:
ML-3068

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
b. TYPE OF WORK: NEW WELL <input type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input checked="" type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME BRENNAN BOTTOM
2. NAME OF OPERATOR: QEP ENERGY COMPANY		8. WELL NAME and NUMBER: BRENNAN 10
3. ADDRESS OF OPERATOR: 11002 E. 17500 S. CITY VERNAL STATE UT ZIP 84078		9. API NUMBER: 4304732771
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: NWNE, 660' FNL, 1980' FEL AT TOP PRODUCING INTERVAL REPORTED BELOW: NWNE, 660' FNL, 1980' FEL AT TOTAL DEPTH: SWNW (LOT 2), 2485' FNL, 1191' FWL BHLW HSM		10 FIELD AND POOL, OR WILDCAT BRENNAN BOTTOM
		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNE 19 7S 21E
		12. COUNTY UINTAH 13. STATE UTAH

14. DATE SPUDDED:	15. DATE T.D. REACHED:	16. DATE COMPLETED: 11/7/2012	ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>	17. ELEVATIONS (DF, RKB, RT, GL): 5221 GL
18. TOTAL DEPTH: MD 6,843 8141 TVD 6,526 6511	19. PLUG BACK T.D.: MD TVD	20. IF MULTIPLE COMPLETIONS, HOW MANY? *	21. DEPTH BRIDGE MD PLUG SET: TVD	
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) NONE			23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> (Submit copy)	

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
4.75	3.5 P-11	9.2	5,903	8,900		NONE			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.875	5,883							

26. PRODUCING INTERVALS					27. PERFORATION RECORD			
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) GREEN RIVER	6,678	8,900			6,678 8,900	**		Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
6678-8900	50,000 GAL 15% HCL

29. ENCLOSED ATTACHMENTS:		30. WELL STATUS:
<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS <input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION	<input type="checkbox"/> GEOLOGIC REPORT <input type="checkbox"/> CORE ANALYSIS	<input type="checkbox"/> DST REPORT <input checked="" type="checkbox"/> DIRECTIONAL SURVEY <input checked="" type="checkbox"/> OTHER: OPS SUMMARY
		POW

31. INITIAL PRODUCTION**INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED: 11/8/2012		TEST DATE: 11/11/2012		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 258	GAS – MCF: 136	WATER – BBL: 23	PROD. METHOD: GPU
CHOKE SIZE:	TBG. PRESS. 0	CSG. PRESS. 0	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL: 258	GAS – MCF: 136	WATER – BBL: 23	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)**USED ON LEASE****33. SUMMARY OF POROUS ZONES (Include Aquifers):**

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				GREEN RIVER (G1)	6,813

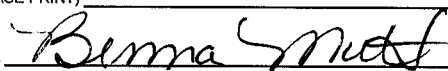
35. ADDITIONAL REMARKS (Include plugging procedure)

DEEPENING SPUD DATE 9/28/2012 **SLOTTED LINER

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) **BENNA MUTH**TITLE **REGULATORY ASSISTANT - CONTRACT**

SIGNATURE

DATE **12/19/2012**

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940



QEP Energy Company

Daily Activity and Cost Summary

Well Name: BRENNAN 10 (19-7S-21E)

API 43-047-32771		Surface Legal Location 019007S021E27		Field Name BRENNAN BOTTOM		State UTAH		Well Configuration Type Horizontal			
Ground Elevation (ft) 4,691.9		Casing Flange Elevation (ft) 4,691.90		Current KB to GL (ft) 16.00		Current KB to CF (ft) 16.00		Spud Date 1/18/1996 00:00		Final Rig Release 10/17/2012 15:00	
Job Category Drilling			Primary Job Type RE-ENTER			Secondary Job Type DEEPENING			Objective		
Start Date 9/22/2012					Job End Date 10/18/2012						

Purpose

Summary

Contractor Aztec Drilling	Rig Number AZTEC 950	Rig Type ROTARY RIG
------------------------------	-------------------------	------------------------

DOL	Start Date	Summary
1.0	8/1/2012	INITIAL COSTS
2.0	9/22/2012	RIG DOWN AND MOVE 68 MILES WITH WESTROC TRUCKING
3.0	9/23/2012	RIG MOVE 10 HR, RIG UP 4 HR, RIG REPAIR 10 HR
4.0	9/24/2012	RIG REPAIR (WORKING ON DRAW TOOL)
5.0	9/25/2012	RIG REPAIR (WORKING ON DRAW TOOL), NIPPLE UP BOPE,
6.0	9/26/2012	RIG REPAIR 12 HR, PRESSURE TEST BOP 5.5 HR, R/U DRILL FLOOR 1 HR, R/U CASERS TO P/U DRILL STRING 1 HR, P/U DRILL STRING 4.5 HR
7.0	9/27/2012	TRIP x 1 1/2, 15 HR, RIG REPAIR x 4, 4.5 HR, CIRCULATE 1.5 HR, HANDLE BHA 1.5 HR, GYRO & SET WHIPSTOCK 1.5 HR
8.0	9/28/2012	MILL WINDOW 7.5 HR, SURVEY 1.5 HR, CIRCULATE 1 HR, TRIP 8 HR, HANDLE BHA 2 HR, RIG SERVICE 0.5 HR, RIG REPAIR 1 HR, CUT DRILLING LINE 2 HR, MISCELLANEOUS (INSTALL CORROSION RING) 0.5 HR
9.0	9/29/2012	DIRECTIONAL DRILL 3 HR, SURVEY 2 HR, ORIENT DIRECTIONAL TOOLS 1.5 HR, TRIP 8.5 HR, LD/PU BHA 3.5HR, LOG 2 HR, WAIT ON ORDERS 2 HR, WAIT ON EQUIPMENT 1.5 HR
10.0	9/30/2012	TRIP x (1 1/2) 6.5 HR, RUN GYRO AND SET WHIP STOCK 3 HR, MILL WINDOW 8 HR, CIRCULATE 1 HR, LD/PU BHA 2 HR, RIG SERVICE 0.5 HR, ORIENT DIRECTIONAL TOOL 2 HR, DIRECTIONAL DRILL 1 HR
11.0	10/1/2012	DIRECTIONAL DRILL 10 HR, SURVEY 4.5 HR, RIG SERVICE 0.5 HR, TRIP 7.5 HR, HANDLE BHA 1.5
12.0	10/2/2012	DIRECTIONAL DRILL 17.5 HR, RIG SERVICE 1 HR, SURVEY AND CONNECTIONS 2 HR, CIRCULATE 1 HR, TRIP 3 HR
13.0	10/3/2012	SLIDE DRILL, BUILD ANGE
14.0	10/4/2012	TRIP MOTOR & BIT
15.0	10/5/2012	DIRECTIONAL DRILL
16.0	10/6/2012	DIRECTIONAL DRILLING & SURVEYS
17.0	10/7/2012	DIRECTIONAL DRILLING & SURVEYS
18.0	10/8/2012	DIRECTIONAL DRILLING & SURVEYS
19.0	10/9/2012	DIRECTIONAL DRILL, CIRC, TRIP F/MOTOR&BIT WORK BHA, TROUGH HOLE TIME DRILL FOR SIDETRACK
20.0	10/10/2012	TIME DRILL F/7491 TO 7520 BROKE OFF SIDE TRACK @ 7520 TROUGH HOLE F/7500 TO 7520 TIME DRILL F/ 7520 TO 7535 NO LUCK TROUGH HOLE FROM 7517 FT TO 7535 FEET TIME DRILL FROM 7535 TO 7545
21.0	10/11/2012	TIME DRILL FROM 7545 TO 7570 SLIDE FROM 7570 TO 7607 DIRECTIONAL DRILL FROM 7607 TO 7630 CIRC SAMPLES DRILL F/ 7630 TO 7644 RIG SERVICE DIRECTIONAL DRILL FROM 7644 TO 7804
22.0	10/12/2012	DIRECTIONAL DRILL FROM 7807 TO 8445 LOST APPROX 250 TO 300 BBL'S TO THE WELL
23.0	10/13/2012	DIRECTIONAL DRILL FROM 8445 FEET TO 8941 T.D.
24.0	10/14/2012	T.O.O.H, LAY DOWN DIRECTIONAL TOOLS. P/U REAMER ASSEMBLY. T.I.H., REAM F/6100 T/7330
25.0	10/15/2012	REAM FROM 7330 TO 8936 FT PUMP WEIGHTED HIGH VIS SWEEP TO SURFACE SHORT TRIP TO THE WINDOW
26.0	10/16/2012	TRIP OUT FOR 3 1/2 " LINNER L/D REAMMING ASSEMBLY RIG UP CAASING CREW & RUN 94 JT'S OF CASING PICK UP 30 3 1/2" DRILL COLLARS AND TRIN IN THE HOLE WITH THE LINNER LAND LINNER @ 8900 FEET TOP OF LINNER @ 5902 FEET. DISPLACE HOLE WITH KCL WATER. LAY DOWN DRILL PIPE
27.0	10/17/2012	TRIP 3 HR, SET CIBP 2.5 HR, N/D BOP 3.5 HR, RIG DOWN 15 HR
28.0	10/18/2012	
29.0	10/19/2012	
30.0	10/20/2012	
31.0	10/21/2012	
32.0	10/22/2012	
33.0	10/23/2012	
34.0	10/24/2012	
35.0	10/25/2012	



QEP Energy Company

Daily Activity and Cost Summary

Well Name: BRENNAN 10 (19-7S-21E)

API 43-047-32771	Surface Legal Location 019007S021E27	Field Name BRENNAN BOTTOM	State UTAH	Well Configuration Type Horizontal
Ground Elevation (ft) 4,691.9	Casing Flange Elevation (ft) 4,691.90	Current KB to GL (ft) 16.00	Current KB to CF (ft) 16.00	Spud Date 1/18/1996 00:00
				Final Rig Release 10/17/2012 15:00

DOL	Start Date	Summary
36.0	10/26/2012	
37.0	10/27/2012	
38.0	10/28/2012	
39.0	10/29/2012	

Definitive Survey

Co: Native Navigation		Units: Feet, °, °/100ft		VS Az: 225.94		Method: Minimum Curvature						
Drillers: Hartman / Wardell		Elevation: 4707.90		Map System: St Plane, NAD83								
Well Name: Brennan 10		Northing: 7248035.11		Latitude: 40.202200								
Location: Utah, County		Easting: 2172092.61		Longitude: -109.596339								
QEP Energy: Brennan 10 Sidetrack 1 Svys												
No	MD	CL	Inc.	Azi.	TVD	VS	+N/S-	+E/W-	BR	WR	DLS	Comments
1	7523.00	0.00	91.50	228.10	6522.24	1258.54	-921.21	-859.88				Tie in
2	7546.00	23.00	88.30	229.00	6522.28	1281.51	-936.43	-877.12	-13.91	3.91	14.45	Native Navigation
3	7577.00	31.00	85.10	231.40	6524.06	1312.37	-956.24	-900.89	-10.32	7.74	12.89	Native Navigation
4	7609.00	32.00	87.60	230.70	6526.10	1344.18	-976.31	-925.72	7.81	-2.19	8.11	Native Navigation
5	7640.00	31.00	91.00	231.90	6526.48	1375.03	-995.69	-949.91	10.97	3.87	11.63	Native Navigation
6	7672.00	32.00	91.60	230.60	6525.75	1406.89	-1015.72	-974.86	1.87	-4.06	4.47	Native Navigation
7	7704.00	32.00	92.50	230.50	6524.61	1438.76	-1036.04	-999.55	2.81	-0.31	2.83	Native Navigation
8	7735.00	31.00	93.10	231.50	6523.10	1469.60	-1055.52	-1023.61	1.94	3.23	3.76	Native Navigation
9	7767.00	32.00	89.80	230.10	6522.29	1501.47	-1075.74	-1048.40	-10.31	-4.38	11.20	Native Navigation
10	7799.00	32.00	89.90	230.40	6522.37	1533.38	-1096.20	-1073.00	0.31	0.94	0.99	Native Navigation
11	7830.00	31.00	89.80	230.60	6522.45	1564.28	-1115.92	-1096.92	-0.32	0.64	0.72	Native Navigation
12	7862.00	32.00	90.20	230.90	6522.45	1596.17	-1136.16	-1121.70	1.25	0.94	1.56	Native Navigation
13	7894.00	32.00	91.30	230.40	6522.03	1628.06	-1156.45	-1146.45	3.44	-1.56	3.78	Native Navigation
14	7925.00	31.00	91.00	230.10	6521.41	1658.97	-1176.27	-1170.28	-0.97	-0.97	1.37	Native Navigation
15	7956.00	31.00	91.00	229.50	6520.87	1689.89	-1196.28	-1193.95	0.00	-1.94	1.94	Native Navigation
16	7988.00	32.00	90.80	229.20	6520.37	1721.83	-1217.12	-1218.23	-0.63	-0.94	1.13	Native Navigation
17	8020.00	32.00	89.90	228.80	6520.17	1753.78	-1238.11	-1242.38	-2.81	-1.25	3.08	Native Navigation
18	8051.00	31.00	90.40	229.60	6520.09	1784.73	-1258.37	-1265.84	1.61	2.58	3.04	Native Navigation
19	8083.00	32.00	91.20	229.70	6519.64	1816.66	-1279.08	-1290.23	-2.50	0.31	2.52	Native Navigation
20	8114.00	31.00	90.60	229.00	6519.15	1847.60	-1299.28	-1313.74	-1.94	-2.26	2.97	Native Navigation
21	8146.00	32.00	90.80	229.60	6518.76	1879.55	-1320.14	-1338.00	0.62	1.87	1.98	Native Navigation
22	8178.00	32.00	90.60	228.90	6518.37	1911.49	-1341.03	-1362.24	-0.63	-2.19	2.28	Native Navigation
23	8209.00	31.00	90.50	229.10	6518.08	1942.44	-1361.36	-1385.64	-0.32	0.64	0.72	Native Navigation
24	8241.00	32.00	90.00	229.10	6517.94	1974.39	-1382.32	-1409.82	-1.56	0.00	1.56	Native Navigation
25	8273.00	32.00	90.90	230.00	6517.68	2006.33	-1403.08	-1434.17	2.81	2.81	3.98	Native Navigation
26	8304.00	31.00	90.70	230.10	6517.25	2037.25	-1422.98	-1457.94	-0.65	0.32	0.72	Native Navigation
27	8336.00	32.00	90.80	230.60	6516.83	2069.15	-1443.40	-1482.57	0.31	1.56	1.59	Native Navigation
28	8368.00	32.00	90.20	230.50	6516.55	2101.04	-1463.73	-1507.28	-1.88	-0.31	1.90	Native Navigation
29	8400.00	32.00	89.60	230.40	6516.61	2132.94	-1484.10	-1531.96	-1.88	-0.31	1.90	Native Navigation
30	8430.00	30.00	91.10	230.20	6516.43	2162.86	-1503.27	-1555.04	5.00	-0.67	5.04	Native Navigation
31	8462.00	32.00	91.30	230.40	6515.76	2194.76	-1523.70	-1579.65	0.62	0.62	0.88	Native Navigation
32	8494.00	32.00	91.80	231.10	6514.89	2226.63	-1543.94	-1604.42	1.56	2.19	2.69	Native Navigation
33	8525.00	31.00	91.60	231.40	6513.97	2257.49	-1563.34	-1628.59	-0.65	0.97	1.16	Native Navigation
34	8557.00	32.00	91.20	231.40	6513.19	2289.33	-1583.30	-1653.59	-1.25	0.00	1.25	Native Navigation
35	8588.00	31.00	90.90	231.80	6512.62	2320.17	-1602.55	-1677.88	-0.97	1.29	1.61	Native Navigation

Definitive Survey

[illegible]

Definitive Survey

Co:	Native Navigation					Units:	Feet, °, %/100ft		VS Az:	225.94		Method: Minimum Curvature
Drillers:	Hartman / Wardell					Elevation:	4707.90		Map System:	St Plane, NAD83		
Well Name:	Brennan 10					Northing:	7248035.11		Latitude:	40.202200		
Location:	Unitah, County					Easting:	2172092.61		Longitude:	-109.596339		
QEP Energy: Brennan 10 Svys												
No.	MD	CL	Inc.	Azi.	TVD	VS	+N/S-	+E/W-	BR	WR	DLS	Comments
1	5916.00	0.00	2.36	170.73	5913.46	66.51	-131.73	34.93				Tie in point from gyros
2	5993.00	77.00	1.73	251.01	5990.42	68.46	-133.67	34.09	-0.82	104.26	3.48	native gyro
3	6009.00	16.00	4.27	286.92	6006.40	68.97	-133.58	33.29	15.87	224.44	19.02	Native Navigation
4	6038.00	29.00	8.22	294.47	6035.22	70.25	-132.41	30.37	13.62	26.03	13.88	Native Navigation
5	6052.00	14.00	8.50	298.60	6049.08	70.93	-131.50	28.55	2.00	29.50	4.73	Native MWD
6	6084.00	32.00	7.80	301.90	6080.75	72.16	-129.22	24.63	-2.19	10.31	2.63	Native Navigation
7	6116.00	32.00	9.10	281.30	6112.41	74.13	-127.57	20.30	4.06	-64.38	10.22	Native Navigation
8	6147.00	31.00	13.00	268.90	6142.84	78.07	-127.16	14.41	12.58	-40.00	14.66	Native Navigation
9	6179.00	32.00	18.50	258.50	6173.63	84.99	-128.24	5.83	17.19	-32.50	19.25	Native Navigation
10	6210.00	31.00	23.10	245.70	6202.61	94.87	-131.73	-4.55	14.84	-41.29	20.78	Native Navigation
11	6242.00	32.00	27.90	235.40	6231.50	108.18	-138.57	-16.44	15.00	-32.19	20.37	Native Navigation
12	6274.00	32.00	29.80	227.50	6259.54	123.52	-148.20	-28.47	5.94	-24.69	13.30	Native Navigation
13	6305.00	31.00	31.00	227.00	6286.28	139.20	-158.85	-39.99	3.87	-1.61	3.96	Native Navigation
14	6337.00	32.00	32.50	227.60	6313.49	156.04	-170.26	-52.37	4.69	1.87	4.79	Native Navigation
15	6368.00	31.00	33.70	226.50	6339.46	172.96	-181.80	-64.76	3.87	-3.55	4.33	Native Navigation
16	6400.00	32.00	36.00	226.30	6365.72	191.24	-194.41	-78.00	7.19	-0.63	7.20	Native Navigation
17	6431.00	31.00	38.20	222.40	6390.44	209.93	-207.79	-91.05	7.10	-12.58	10.39	Native Navigation
18	6463.00	32.00	41.10	220.00	6415.08	230.27	-223.15	-104.49	9.06	-7.50	10.25	Native Navigation
19	6495.00	32.00	45.70	223.90	6438.33	252.19	-239.47	-119.20	14.37	12.19	16.63	Native Navigation
20	6533.00	38.00	51.60	226.30	6463.43	280.70	-259.58	-139.41	15.53	6.32	16.23	MWD Change
21	6565.00	32.00	61.60	226.90	6481.02	307.38	-277.91	-158.80	31.25	1.87	31.29	Native Navigation
22	6598.00	33.00	72.20	229.80	6493.95	337.66	-298.02	-181.47	32.12	8.79	33.12	Native Navigation
23	6629.00	31.00	74.80	230.80	6502.75	367.29	-317.01	-204.34	8.39	3.23	8.94	Native Navigation
24	6660.00	31.00	76.50	230.20	6510.44	397.23	-336.11	-227.51	5.48	-1.94	5.80	Native Navigation
25	6692.00	32.00	79.60	230.50	6517.06	428.44	-356.08	-251.61	9.69	0.94	9.73	Native Navigation
26	6723.00	31.00	84.50	230.50	6521.35	459.03	-375.61	-275.30	15.81	0.00	15.81	Native Navigation
27	6755.00	32.00	87.00	229.80	6523.72	490.86	-396.05	-299.79	7.81	-2.19	8.11	Native Navigation
28	6786.00	31.00	87.90	228.50	6525.10	521.77	-416.31	-323.22	2.90	-4.19	5.10	Native Navigation
29	6818.00	32.00	88.20	227.80	6526.19	553.73	-437.65	-347.04	0.94	-2.19	2.38	Native Navigation
30	6850.00	32.00	90.90	227.50	6526.44	585.71	-459.20	-370.69	8.44	-0.94	8.49	Native Navigation
31	6891.00	41.00	91.30	226.30	6525.65	626.70	-487.21	-400.62	0.98	-2.93	3.08	BHA Change
32	6922.00	31.00	92.20	226.70	6524.70	657.68	-508.54	-423.09	2.90	1.29	3.18	Native Navigation
33	6954.00	32.00	91.30	227.10	6523.73	689.66	-530.39	-446.45	-2.81	1.25	3.08	Native Navigation
34	6986.00	32.00	89.60	226.80	6523.48	721.66	-552.24	-469.83	-5.31	-0.94	5.39	Native Navigation
35	7017.00	31.00	90.40	226.30	6523.48	752.65	-573.55	-492.34	2.58	-1.61	3.04	Native Navigation
36	7049.00	32.00	90.30	226.10	6523.28	784.65	-595.70	-515.43	-0.31	-0.63	0.70	Native Navigation

Definitive Survey

37	7081.00	32.00	89.90	227.20	6523.22	816.65	-617.67	-538.70	-1.25	3.44	3.66	Native Navigation
38	7112.00	31.00	89.60	226.20	6523.36	847.65	-638.93	-561.26	-0.97	-3.23	3.37	Native Navigation
39	7144.00	32.00	88.80	226.10	6523.81	879.64	-661.09	-584.34	-2.50	-0.31	2.52	Native Navigation
40	7175.00	31.00	88.60	226.00	6524.51	910.64	-682.60	-606.65	-0.65	-0.32	0.72	Native Navigation
41	7207.00	32.00	88.20	225.50	6525.40	942.62	-704.92	-629.56	-1.25	-1.56	2.00	Native Navigation
42	7239.00	32.00	90.90	227.10	6525.65	974.62	-727.03	-652.69	8.44	5.00	9.81	Native Navigation
43	7270.00	31.00	90.90	226.80	6525.17	1005.61	-748.19	-675.34	0.00	-0.97	0.97	Native Navigation
44	7302.00	32.00	90.90	226.40	6524.67	1037.60	-770.17	-698.59	0.00	-1.25	1.25	Native Navigation
45	7333.00	31.00	90.50	225.90	6524.29	1068.60	-791.65	-720.94	-1.29	-1.61	2.07	Native Navigation
46	7365.00	32.00	90.30	226.80	6524.06	1100.60	-813.73	-744.10	-0.63	2.81	2.88	Native Navigation
47	7397.00	32.00	90.00	226.50	6523.98	1132.59	-835.70	-767.37	-0.94	-0.94	1.33	Native Navigation
48	7428.00	31.00	90.40	226.90	6523.87	1163.59	-856.96	-789.93	1.29	1.29	1.82	Native Navigation
49	7460.00	32.00	91.50	226.80	6523.34	1195.58	-878.84	-813.27	3.44	-0.31	3.45	Native Navigation
50	7491.00	31.00	90.50	228.00	6522.80	1226.57	-899.82	-836.09	-3.23	3.87	5.04	Native Navigation
51	7523.00	32.00	91.50	228.10	6522.24	1258.54	-921.21	-859.88	3.12	0.31	3.14	Native Navigation
52	7555.00	32.00	92.70	227.90	6521.07	1290.50	-942.61	-883.65	3.75	-0.63	3.80	Native Navigation
53	7586.00	31.00	94.20	228.00	6519.20	1321.42	-963.33	-906.62	4.84	0.32	4.85	Native Navigation
54	7617.00	31.00	94.90	228.20	6516.74	1352.30	-983.97	-929.62	2.26	0.64	2.35	Native Navigation
55	7649.00	32.00	93.10	227.90	6514.51	1384.20	-1005.31	-953.36	-5.63	-0.94	5.70	Native Navigation
56	7681.00	32.00	90.20	227.80	6513.59	1416.17	-1026.77	-977.08	-9.06	-0.31	9.07	Native Navigation
57	7712.00	31.00	89.60	228.00	6513.64	1447.15	-1047.55	-1000.08	-1.94	0.64	2.04	Native Navigation
58	7744.00	32.00	90.00	227.50	6513.76	1479.13	-1069.07	-1023.76	1.25	-1.56	2.00	Native Navigation
59	7776.00	32.00	87.70	227.60	6514.40	1511.11	-1090.66	-1047.37	-7.19	0.31	7.19	Native Navigation
60	7807.00	31.00	85.00	228.10	6516.37	1542.03	-1111.42	-1070.30	-8.71	1.61	8.86	Native Navigation
61	7839.00	32.00	84.40	228.10	6519.33	1573.87	-1132.70	-1094.02	-1.88	0.00	1.88	Native Navigation
62	7871.00	32.00	85.20	228.40	6522.23	1605.71	-1153.92	-1117.79	2.50	0.94	2.67	Native Navigation
63	7902.00	31.00	86.80	228.60	6524.39	1636.60	-1174.41	-1140.95	5.16	0.64	5.20	Native Navigation
64	7934.00	32.00	88.80	228.20	6525.62	1668.55	-1195.64	-1164.87	6.25	-1.25	6.37	Native Navigation
65	7955.00	21.00	89.80	229.50	6525.87	1689.52	-1209.46	-1180.68	4.76	6.19	7.81	Native Navigation

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-3068			
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
2. NAME OF OPERATOR: QEP ENERGY COMPANY		7. UNIT or CA AGREEMENT NAME: BRENNAN BOTTOM			
3. ADDRESS OF OPERATOR: 11002 East 17500 South, Vernal, Ut, 84078		8. WELL NAME and NUMBER: BRENNAN 10			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FNL 1980 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 19 Township: 07.0S Range: 21.0E Meridian: S		9. API NUMBER: 43047327710000			
9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM		COUNTY: UINTAH			
STATE: UTAH					
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/28/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="display: flex; justify-content: space-between;"> <div style="width: 70%;"> <p>QEP ENERGY COMPANY REQUESTS APPROVAL TO RECOMPLETE THE BRENNAN 10 BY ADDING ADDITIONAL PERFORATIONS TO THE GREEN RIVER FORMATION. SEE ATTACHED PROCEDURES.</p> </div> <div style="width: 25%; text-align: right;"> <p>Approved by the November 13, 2014 Oil, Gas and Mining</p> <p>Date: _____</p> <p>By: <u>Derek Quist</u></p> </div> </div>					
NAME (PLEASE PRINT) Benna Muth	PHONE NUMBER 435 781-4320	TITLE Regulatory Assistant			
SIGNATURE N/A	DATE 10/28/2014				

QEP Energy requests approval to recompleate the Brennan 10 by adding additional perforations to the Green River formation as follows:

1. Set a CFP at 5890'.
2. Stage 1:
 - a. 5863'-5866', 3spf, frac with crosslink fluid.
 - b. 5813'-5815', 3spf, frac with crosslink fluid.
 - c. 5771'-5773', 3spf, frac with crosslink fluid.
 - d. 5748'-5749', 3spf, frac with crosslink fluid.
 - e. 5715'-5716', 3spf, frac with crosslink fluid.
 - f. 5691'-5692', 3spf, frac with crosslink fluid.
 - g. 5673'-5674', 3spf, frac with crosslink fluid.
 - h. 5660'-5661', 3spf, frac with crosslink fluid.
 - i. 5639'-5640', 3spf, frac with crosslink fluid.
 - j. 5625'-5626', 3spf, frac with crosslink fluid.
 - k. 5607'-5608', 3spf, frac with crosslink fluid.
 - l. 5597'-5598', 3spf, frac with crosslink fluid.
3. Flow well.
4. Drill up frac plug (5890') after the frac fluid is recovered to restore existing production.